PDS4 Data Dictionary

Abridged - Version 1.4.0.0

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Chapter 1. Introduction

The Planetary Data System (PDS) PDS4 Data Dictionary defines the organization and components of PDS4 product labels. Components of a product label include classes and their attributes.

Audience

The PDS4 Data Dictionary - Abridged - has been abstracted from the unabridged version with the needs of data providers and data end users in mind. It contains full definitions but not all the fine detail or repetition necessary to support the underlying Information Model.

Acknowledgements

The PDS4 Data Dictionary and the PDS4 Information Model is a joint effort involving representatives from each of the PDS nodes functioning as the PDS4 Data Design Working Group.

Scope

The PDS4 Data Dictionary defines the common and discipline level classes and attributes used to create PDS4 product labels. It also defines the meta-attributes (i.e. attributes about attributes) used to define attributes. This abridged version includes only one entry for each attribute where the unabridge version includes an entry for each use of an attribute in a class.

Applicable Documents

Controlling Documents

- PDS4 Information Model Specification - The PDS4 Information Model is used as the source for class, attribute, and data type definitions. The model is presented in document format as the PDS4 Information Model Specification.
- ISO/IEC 11179:3 Registry Metamodel and Basic Attributes Specification, 2003. - The ISO/IEC 11179 specification provides the schema for the PDS4 data dictionary.

Reference Documents

- Planetary Science Data Dictionary - The online version of the PDS3 data dictionary was used as the source for a few data elements being carried over from the PDS3 data standards.

Terminology

This document uses very specific engineering terminology to describe the various structures involved. It is particularly important that readers who have absorbed the PDS Standards Reference bear in mind that terms which are familiar in that context can have very different meanings in the present document.

Following are some definitions of essential terms used throughout this document.

- An *attribute* is a property or characteristic that provides a unit of information. For example, ❓color❓ and ❓length❓ are possible attributes.
- A *class* is a set of attributes (including a name) which defines a family. A class is generic ❓ a template from which individual members of the family may be constructed.

- A *conceptual object* is an object which is intangible (and, because it is intangible, does not fit into a digital archive). Examples of ﷺconceptual objectsﷺ include the Cassini mission and NASAﷺs strategic plan for solar system exploration. Note that a PDF describing the Cassini mission is a digital object, not a conceptual object (nor a component of a conceptual object).
- A *data element* is a unit of data for which the definition, identification, representation and *permissible values* are specified by means of a set of attributes. For example, the concept of a *calibration_lamp_state_flag* is used in the PDS archive to indicate whether the lamp used for onboard camera calibration was turned on or off during the capture of an image. The *data element* aspect of this concept is the named attribute (or data element) *calibration_lamp_state_flag*.
- A *data object* is a physical, conceptual, or digital object.
- A *digital object* is an object which is real data ﷺ for example, a binary image of a redwood tree or an ASCII table of atmospheric composition versus altitude.
- *Formal* as used in the definition of attributes that are names indicates that an established procedure was involved in creating the name.
- A *unique identifier* is a special type of identifier used to provide a reference number which is unique in a context.
- *Local* refers to the context within a single label.
- *Logical* as used in the definition of logical identifier indicates that the identifier logically groups a set of objects.
- A *physical object* is an object which is physical or tangible (and, therefore, does not itself fit into a digital archive). Examples of ﷺphysical objectsﷺ include the planet Saturn and the Venus Express magnetometer. Note that an ASCII file describing Saturn is a digital object, not a physical object (nor a component of a physical object).
- A *resource* is the target (referent) of any Uniform Resource Identifier; the thing to which a URI points.

Chapter 2. Product Classes in the common (pds) namespace.

These classes define the PDS4 products.

Ingest_LDD

Name: **Ingest_LDD**			***Version Id:*** **1.0.0.0**
*Description:*The Ingest_LDD class provides a form for collecting class and attribute definitions.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Supplemental :: Ingest_LDD			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	1..1	None
	ldd_version_id	1..1	None
	full_name	1..1	None
	steward_id	1..1	None
	namespace_id	1..1	None
	external_property_ maps_id	0..Unbounded	None
	comment	0..1	None
	last_modification_ date_time	1..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Conceptual_Object
	local_attribute	0..Unbounded	DD_Attribute
	local_class	0..Unbounded	DD_Class
	local_rule	0..Unbounded	DD_Rule
	has_Property_Maps	0..Unbounded	Property_Maps
Referenced from: None			

Product_AIP

Name: **Product_AIP**			***Version Id:*** **1.n.0.0**
*Description:*The Product AIP class defines a product for the Archival Information Package.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Product :: Product_AIP			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	has_Information_ Package_Component	1..Unbounded	Information_Package_ Component

Name: **Product_AIP**			***Version Id:*** **1.n.0.0**
	product_data_object	1..1	Archival_Information_Package
Referenced from: None			

Product_Attribute_Definition

Name: **Product_Attribute_Definition**			***Version Id:*** **1.0.0.0**
*Description:*The Product Attribute Definition provides an attribute definition in XML encoding.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Product :: Product_Attribute_Definition			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	product_data_object	1..1	DD_Attribute_Full
Referenced from: None			

Product_Browse

Name: **Product_Browse**			***Version Id:*** **1.0.0.0**
*Description:*The Product Browse class defines a product consisting of one encoded byte stream digital object.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product :: Product_Browse			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	file_area	1..Unbounded	File_Area_Browse
Referenced from: None			

Product_Bundle

Name: **Product_Bundle**			***Version Id:*** **1.0.0.0**
*Description:*A Product_Bundle is an aggregate product and has a table of references to one or more collections.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product :: Product_Bundle			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_identification_area	1..1	Identification_Area
	context_area	0..1	Context_Area
	reference_list	0..1	Reference_List

Name: **Product_Bundle**			***Version Id:*** **1.0.0.0**
	product_data_object	1..1	Bundle
	file_area	0..1	File_Area_Text
	member_entry	1..Unbounded	Bundle_Member_Entry
Referenced from: None			

Product_Class_Definition

Name: **Product_Class_Definition**			***Version Id:*** **1.0.0.0**
*Description:*The Product Class Definition provides a class definition in XML encoding.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Product :: Product_Class_Definition			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	product_data_object	1..1	DD_Class_Full
Referenced from: None			

Product_Collection

Name: **Product_Collection**			***Version Id:*** **1.0.0.0**
*Description:*A Product_Collection has a table of references to one or more basic products. The references are stored in a table called the inventory.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product :: Product_Collection			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_identification_area	1..1	Identification_Area
	context_area	0..1	Context_Area
	reference_list	0..1	Reference_List
	product_data_object	1..1	Collection
	file_area_inventory	1..1	File_Area_Inventory
Referenced from: None			

Product_Context

Name: **Product_Context**			***Version Id:*** **1.0.0.0**
*Description:*The Product Context class describes something that provides context and provenance for an observational product.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product :: Product_Context			
No Attributes			

Name: **Product_Context**			***Version Id:*** **1.0.0.0**
Association(s)	*Name*	*Cardinality*	*Class*
	has_identification_area	1..1	Identification_Area
	has_discipline_area	0..1	Discipline_Area
	reference_list	0..1	Reference_List
	product_data_object	1..1	Agency, Facility, Instrument, Instrument_Host, Investigation, Node, Other, PDS_Affiliate, PDS_Guest, Resource, Target, Telescope
Referenced from: None			

Product_DIP

Name: **Product_DIP**			***Version Id:*** **1.n.0.0**
*Description:*The Product DIP class defines a product for the Dissemination Information Package.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Product :: Product_DIP			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	has_Information_ Package_Component	1..Unbounded	Information_Package_ Component
	product_data_object	1..1	Dissemination_ Information_Package
Referenced from: None			

Product_DIP_Deep_Archive

Name: **Product_DIP_Deep_Archive**			***Version Id:*** **1.1.0.0**
*Description:*The Product DIP_Deep_Archive class defines a product for the Dissemination Information Package for the deep archive.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Product :: Product_DIP_Deep_Archive			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	has_Information_ Package_Component	1..Unbounded	Information_Package_ Component
	product_data_object	1..1	DIP_Deep_Archive
Referenced from: None			

Product_Data_Set_PDS3

Name: **Product_Data_Set_PDS3**			***Version Id:*** **1.0.0.0**
*Description:*The Data Set PDS3 product is used to create proxy labels for the data sets in the PDS3 Data Set catalog.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Product :: Product_Data_Set_PDS3			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	product_data_object	1..1	Data_Set_PDS3
Referenced from: None			

Product_Document

Name: **Product_Document**			***Version Id:*** **1.0.0.0**
*Description:*A Product Document is a product consisting of a single logical document that may comprise one or more document editions.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product :: Product_Document			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_identification_area	1..1	Identification_Area
	context_area	0..1	Context_Area
	reference_list	0..1	Reference_List
	has_document	1..1	Document
Referenced from: None			

Product_File_Repository

Name: **Product_File_Repository**			***Version Id:*** **1.0.0.0**
*Description:*The Product File Repository class consists of a single text file. This product is used to register a file in a repository.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Product :: Product_File_Repository			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	file_area	1..1	File_Area_Binary
Referenced from: None			

Product_File_Text

Name: **Product_File_Text**			***Version Id:*** **1.0.0.0**
*Description:*The Product File Text consists of a single text file with ASCII character encoding.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product :: Product_File_Text			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	file_area	1..1	File_Area_Text
Referenced from: None			

Product_Instrument_Host_PDS3

Name: **Product_Instrument_Host_PDS3**			***Version Id:*** **1.0.0.0**
*Description:*An Instrument Host product describes an instrument host. This product captures the PDS3 catalog instrument host information.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Product :: Product_Instrument_Host_PDS3			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	product_data_object	1..1	Instrument_Host_PDS3
Referenced from: None			

Product_Instrument_PDS3

Name: **Product_Instrument_PDS3**			***Version Id:*** **1.0.0.0**
*Description:*An Instrument product describes an instrument. This product captures the PDS3 catalog instrument information.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Product :: Product_Instrument_PDS3			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	product_data_object	1..1	Instrument_PDS3
Referenced from: None			

Product_Mission_PDS3

Name: **Product_Mission_PDS3**			***Version Id:*** **1.0.0.0**
*Description:*An Mission product describes a mission. This product captures the PDS3 catalog mission information.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Product :: Product_Mission_PDS3			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	product_data_object	1..1	Mission_PDS3
Referenced from: None			

Product_Native

Name: **Product_Native**			***Version Id:*** **1.2.0.0**
*Description:*Product_Native is used to describe digital objects in the original format returned by the spacecraft or experimental system when that format cannot be described using one of the PDS4 formats specified for observational data (tables or arrays, excluding Array_1D).			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product :: Product_Native			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_identification_area	1..1	Identification_Area
	context_area	0..1	Context_Area
	reference_list	0..1	Reference_List
	file_area	1..Unbounded	File_Area_Native
Referenced from: None			

Product_Observational

Name: **Product_Observational**			***Version Id:*** **1.0.0.0**
*Description:*A Product_Observational is a set of one or more information objects produced by an observing system.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product :: Product_Observational			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_identification_area	1..1	Identification_Area
	observation_area	1..1	Observation_Area
	reference_list	0..1	Reference_List
	file_area	1..Unbounded	File_Area_ Observational

Name: **Product_Observational**			***Version Id:*** **1.0.0.0**
	file_area_supplemental	0..Unbounded	File_Area_ Observational_ Supplemental
Referenced from: None			

Product_Proxy_PDS3

Name: **Product_Proxy_PDS3**			***Version Id:*** **1.0.0.0**
*Description:*The Product Proxy PDS3 class defines a product with enough information to register a PDS3 data product.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Product :: Product_Proxy_PDS3			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	file_area	1..Unbounded	File_Area_Binary
Referenced from: None			

Product_SIP

Name: **Product_SIP**			***Version Id:*** **1.1.0.0**
*Description:*The Product SIP class defines a product for the Submission Information Package.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Product :: Product_SIP			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	has_Information_ Package_Component	1..Unbounded	Information_Package_ Component
	product_data_object	1..1	Submission_ Information_Package
Referenced from: None			

Product_SIP_Deep_Archive

Name: **Product_SIP_Deep_Archive**			***Version Id:*** **1.n.0.0**
*Description:*The Product SIP Deep Archive class defines a Submission Information Package (SIP) for the NASA planetary science deep archive.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Product :: Product_SIP_Deep_Archive			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*

Name: **Product_SIP_Deep_Archive**			***Version Id:*** **1.n.0.0**
	has_identification_area	1..1	Identification_Area
	has_Information_ Package_Component	1..1	Information_Package_ Component_Deep_ Archive
	product_data_object	1..1	SIP_Deep_Archive
	reference_list	0..1	Reference_List
Referenced from: None			

Product_SPICE_Kernel

Name: **Product_SPICE_Kernel**			***Version Id:*** **1.0.0.0**
*Description:*The Product SPICE Kernel class defines a SPICE kernel product.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product :: Product_SPICE_Kernel			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_identification_area	1..1	Identification_Area
	context_area	1..1	Context_Area
	reference_list	0..1	Reference_List
	file_area	1..1	File_Area_SPICE_ Kernel
Referenced from: None			

Product_Service

Name: **Product_Service**			***Version Id:*** **1.0.0.0**
*Description:*The Product Service class defines a product for registering services. Service descriptions from this product are used to register services as intrinsic registry objects.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Product :: Product_Service			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	file_area	0..Unbounded	File_Area_Service_ Description
Referenced from: None			

Product_Software

Name: **Product_Software**			***Version Id:*** **1.0.0.0**
*Description:*Product Software is a product consisting of a set of one or more software formats.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Product :: Product_Software			

Name: **Product_Software**			***Version Id:*** **1.0.0.0**
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	product_description	1..1	Software
	software_format_set	0..Unbounded	Software_Binary, Software_Script, Software_Source
Referenced from: None			

Product_Subscription_PDS3

Name: **Product_Subscription_PDS3**			***Version Id:*** **1.0.0.0**
*Description:*The Product_Subscription_PDS3 class provides the list of subscriptions for a PDS3 subscriber.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Product :: Product_Subscription_PDS3			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	subscriber	1..1	Subscriber_PDS3
Referenced from: None			

Product_Target_PDS3

Name: **Product_Target_PDS3**			***Version Id:*** **1.0.0.0**
*Description:*A target product describes a target. This product captures a reduced set of the PDS3 catalog target information.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Product :: Product_Target_PDS3			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	product_data_object	1..1	Target_PDS3
Referenced from: None			

Product_Thumbnail

Name: **Product_Thumbnail**	***Version Id:*** **1.0.0.0**
*Description:*The Product Thumbnail class defines a product consisting of one encoded byte stream digital object.	

Name: **Product_Thumbnail**			***Version Id:*** **1.0.0.0**
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product :: Product_Thumbnail			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	file_area	1..1	File_Area_Encoded_Image
Referenced from: None			

Product_Update

Name: **Product_Update**			***Version Id:*** **1.0.0.0**
*Description:*The Product Update class defines a product consisting of update information and optional references to other products.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product :: Product_Update			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	product_data_object	1..1	Update
Referenced from: None			

Product_Volume_PDS3

Name: **Product_Volume_PDS3**			***Version Id:*** **1.0.0.0**
*Description:*A Product Volume PDS3 product captures the PDS3 volume information.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Product :: Product_Volume_PDS3			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	product_data_object	1..1	Volume_PDS3
Referenced from: None			

Product_Volume_Set_PDS3

Name: **Product_Volume_Set_PDS3**			***Version Id:*** **1.0.0.0**
*Description:*A Product Volume Set PDS3 product captures the PDS3 volume set information.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Product :: Product_Volume_Set_PDS3			

Name: **Product_Volume_Set_PDS3**			***Version Id:*** **1.0.0.0**
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	product_data_object	1..1	Volume_Set_PDS3
Referenced from: None			

Product_XML_Schema

Name: **Product_XML_Schema**			***Version Id:*** **1.0.0.0**
*Description:*The Product_XML_Schema describes a resource used for the PDS4 implementation into XML.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product :: Product_XML_Schema			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_identification_area	1..1	Identification_Area
	reference_list	0..1	Reference_List
	file_area	1..Unbounded	File_Area_XML_ Schema
Referenced from: None			

Product_Zipped

Name: **Product_Zipped**			***Version Id:*** **1.0.0.0**
*Description:*The Product_Zipped is a product with references to other products. The referenced products and all associated products and files are packaged into a single ZIP file.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Product :: Product_Zipped			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_identification_area	1..1	Identification_Area
	internal_reference	1..Unbounded	Internal_Reference
	has_zip	1..1	Zip
	file	1..1	File
Referenced from: None			

Chapter 3. Support classes in the common (pds) namespace.

The classes in this section are used by the product classes.

Agency

Name: **Agency**			***Version Id:*** **1.0.0.0**
*Description:*The Agency class provides a description of an entity that provides regional or national level governance over nodes within the federated Planetary Data System.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Context :: Agency			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	1..1	European Space Agency, National Aeronautics and Space Administration
	description	1..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Conceptual_Object
Referenced from: Product_Context			

Alias

Name: **Alias**			***Version Id:*** **1.0.0.0**
*Description:*The Alias class provides a single alternate name and identification for this product in this or some other archive or data system.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: Alias			
Attribute(s)	*Name*	*Cardinality*	*Value*
	alternate_id	0..1	None
	alternate_title	0..1	None
	comment	0..1	None
No Associations			
Referenced from: Alias_List			

Alias_List

Name: **Alias_List**			***Version Id:*** **1.0.0.0**
*Description:*The Alias_List class provides a list of paired alternate names and identifications for this product in this or some other archive or data system.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: Alias_List			
No Attributes			

Name: **Alias_List**			***Version Id:*** **1.0.0.0**
Association(s)	*Name*	*Cardinality*	*Class*
	alias	1..Unbounded	Alias
Referenced from: Identification_Area			

Archival_Information_Package

Name: **Archival_Information_Package**			***Version Id:*** **1.n.0.0**
*Description:*The Archival Information Package (AIP) class defines an Information Package consisting of the Content Information and the associated Preservation Description Information (PDI), which is preserved within an archive that conforms to the Open Archive Information System (OAIS) Reference Model.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Supplemental :: Information_Package :: Archival_Information_Package			
Attribute(s)	*Name*	*Cardinality*	*Value*
	description	1..1	None
No Associations			
Referenced from: Product_AIP			

Array

Name: **Array**			***Version Id:*** **1.0.0.0**
*Description:*The Array class defines a homogeneous N-dimensional array of scalars. The Array class is the parent class for all n-dimensional arrays of scalars.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_Digital_Object :: Byte_Stream :: Array			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	axes	1..1	None
	axis_index_order	1..1	Last Index Fastest
	description	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	has_Element_Array	1..1	Element_Array
	has_Axis_Array	1..Unbounded	Axis_Array
	associated_Special_ Constants	0..1	Special_Constants
	associated_Statistics	0..1	Object_Statistics
	data_object	1..1	Digital_Object
	local_internal_ reference	0..Unbounded	Local_Internal_ Reference
Referenced from: File_Area_Browse, File_Area_Observational, File_Area_Observational_ Supplemental			

Array_1D *Deprecated*

Name: **Array_1D *Deprecated***			***Version Id:*** **1.0.0.0**
*Description:*The Array 1D class is the parent class for all one dimensional array based classes.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Deprecated
Class Hierarchy: Tagged_Digital_Object :: Byte_Stream :: Array :: Array_1D *Deprecated*			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	axes	1..1	1
	axis_index_order	1..1	Last Index Fastest
	description	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	has_Element_Array	1..1	Element_Array
	has_Axis_Array	1..1	Axis_Array
	associated_Special_ Constants	0..1	Special_Constants
	associated_Statistics	0..1	Object_Statistics
	data_object	1..1	Digital_Object
	local_internal_ reference	0..Unbounded	Local_Internal_ Reference
Referenced from: File_Area_Browse, File_Area_Observational, File_Area_Observational_ Supplemental			

Array_2D

Name: **Array_2D**			***Version Id:*** **1.0.0.0**
*Description:*The Array 2D class is the parent class for all two dimensional array based classes.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_Digital_Object :: Byte_Stream :: Array :: Array_2D			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	axes	1..1	2
	axis_index_order	1..1	Last Index Fastest
	description	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	has_Element_Array	1..1	Element_Array
	has_Axis_Array	2..2	Axis_Array
	associated_Special_ Constants	0..1	Special_Constants

Name: **Array_2D**			***Version Id:*** **1.0.0.0**
	associated_Statistics	0..1	Object_Statistics
	data_object	1..1	Digital_Object
	local_internal_ reference	0..Unbounded	Local_Internal_ Reference
Referenced from: File_Area_Browse, File_Area_Observational, File_Area_Observational_ Supplemental			

Array_2D_Image

Name: **Array_2D_Image**			***Version Id:*** **1.0.0.0**
*Description:*The Array 2D Image class is an extension of the Array 2D class and defines a two dimensional image.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_Digital_Object :: Byte_Stream :: Array :: Array_2D :: Array_2D_Image			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	axes	1..1	2
	axis_index_order	1..1	Last Index Fastest
	description	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	has_Element_Array	1..1	Element_Array
	has_Axis_Array	2..2	Axis_Array
	associated_Special_ Constants	0..1	Special_Constants
	associated_Statistics	0..1	Object_Statistics
	data_object	1..1	Digital_Object
	local_internal_ reference	0..Unbounded	Local_Internal_ Reference
	has_Display_2d_Image	0..1	Display_2D_Image *Deprecated*
Referenced from: File_Area_Browse, File_Area_Observational, File_Area_Observational_ Supplemental			

Array_2D_Map

Name: **Array_2D_Map**			***Version Id:*** **1.1.0.0**
*Description:*The Array 2D Map class is an extension of the Array 2D class and defines a two dimensional map.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_Digital_Object :: Byte_Stream :: Array :: Array_2D :: Array_2D_Map			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	0..1	None

Name: **Array_2D_Map**			***Version Id:*** **1.1.0.0**
	local_identifier	0..1	None
	offset	1..1	None
	axes	1..1	2
	axis_index_order	1..1	Last Index Fastest
	description	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	has_Element_Array	1..1	Element_Array
	has_Axis_Array	2..2	Axis_Array
	associated_Special_ Constants	0..1	Special_Constants
	associated_Statistics	0..1	Object_Statistics
	data_object	1..1	Digital_Object
	local_internal_ reference	0..Unbounded	Local_Internal_ Reference
	has_Display_2d_Image	0..1	Display_2D_Image *Deprecated*
Referenced from: File_Area_Browse, File_Area_Observational, File_Area_Observational_ Supplemental			

Array_2D_Spectrum

Name: **Array_2D_Spectrum**			***Version Id:*** **1.1.0.0**
*Description:*The Array 2D Spectrum class is an extension of the Array 2D class and defines a two dimensional spectrum.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_Digital_Object :: Byte_Stream :: Array :: Array_2D :: Array_2D_ Spectrum			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	axes	1..1	2
	axis_index_order	1..1	Last Index Fastest
	description	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	has_Element_Array	1..1	Element_Array
	has_Axis_Array	2..2	Axis_Array
	associated_Special_ Constants	0..1	Special_Constants
	associated_Statistics	0..1	Object_Statistics
	data_object	1..1	Digital_Object
	local_internal_ reference	0..Unbounded	Local_Internal_ Reference

Name: **Array_2D_Spectrum**			***Version Id:*** **1.1.0.0**
	has_Display_2d_Image	0..1	Display_2D_Image *Deprecated*
Referenced from: File_Area_Browse, File_Area_Observational, File_Area_Observational_ Supplemental			

Array_3D

Name: **Array_3D**			***Version Id:*** **1.0.0.0**
*Description:*The Array 3D class is the parent class for all three dimensional array based classes.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_Digital_Object :: Byte_Stream :: Array :: Array_3D			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	axes	1..1	3
	axis_index_order	1..1	Last Index Fastest
	description	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	has_Element_Array	1..1	Element_Array
	has_Axis_Array	3..3	Axis_Array
	associated_Special_ Constants	0..1	Special_Constants
	associated_Statistics	0..1	Object_Statistics
	data_object	1..1	Digital_Object
	local_internal_ reference	0..Unbounded	Local_Internal_ Reference
Referenced from: File_Area_Browse, File_Area_Observational, File_Area_Observational_ Supplemental			

Array_3D_Image

Name: **Array_3D_Image**			***Version Id:*** **1.1.0.0**
*Description:*The Array 3D Image class is an extension of the Array 3D class and defines a three dimensional image.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_Digital_Object :: Byte_Stream :: Array :: Array_3D :: Array_3D_Image			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	axes	1..1	3
	axis_index_order	1..1	Last Index Fastest

Name: **Array_3D_Image**			***Version Id:*** **1.1.0.0**
	description	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	has_Element_Array	1..1	Element_Array
	has_Axis_Array	3..3	Axis_Array
	associated_Special_ Constants	0..1	Special_Constants
	associated_Statistics	0..1	Object_Statistics
	data_object	1..1	Digital_Object
	local_internal_ reference	0..Unbounded	Local_Internal_ Reference
Referenced from: File_Area_Browse, File_Area_Observational, File_Area_Observational_ Supplemental			

Array_3D_Movie

Name: **Array_3D_Movie**			***Version Id:*** **1.n.0.0**
*Description:*The Array 3D Movie class is an extension of the Array 3D class and defines a movie as a set of two dimensional images in a time series.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_Digital_Object :: Byte_Stream :: Array :: Array_3D :: Array_3D_Movie			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	axes	1..1	3
	axis_index_order	1..1	Last Index Fastest
	description	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	has_Element_Array	1..1	Element_Array
	has_Axis_Array	3..3	Axis_Array
	associated_Special_ Constants	0..1	Special_Constants
	associated_Statistics	0..1	Object_Statistics
	data_object	1..1	Digital_Object
	local_internal_ reference	0..Unbounded	Local_Internal_ Reference
Referenced from: File_Area_Browse, File_Area_Observational, File_Area_Observational_ Supplemental			

Array_3D_Spectrum

Name: **Array_3D_Spectrum**	***Version Id:*** **1.0.0.0**
*Description:*The Array 3D Spectrum class is an extension of the Array 3D class and defines a three dimensional spectrum.	

Name: **Array_3D_Spectrum**			***Version Id:*** **1.0.0.0**
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_Digital_Object :: Byte_Stream :: Array :: Array_3D :: Array_3D_ Spectrum			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	axes	1..1	3
	axis_index_order	1..1	Last Index Fastest
	description	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	has_Element_Array	1..1	Element_Array
	has_Axis_Array	3..3	Axis_Array
	associated_Special_ Constants	0..1	Special_Constants
	associated_Statistics	0..1	Object_Statistics
	data_object	1..1	Digital_Object
	local_internal_ reference	0..Unbounded	Local_Internal_ Reference
Referenced from: File_Area_Browse, File_Area_Observational, File_Area_Observational_ Supplemental			

Axis_Array

Name: **Axis_Array**			***Version Id:*** **1.0.0.0**
*Description:*The Axis Array class is used as a component of the array class and defines an axis of the array.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_Digital_Child :: Axis_Array			
Attribute(s)	*Name*	*Cardinality*	*Value*
	axis_name	1..1	None
	local_identifier	0..1	None
	elements	1..1	None
	unit *Deprecated*	0..1	None
	sequence_number	1..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	has_Band_Bin_Set	0..1	Band_Bin_Set *Deprecated*
Referenced from: Array, Array_1D *Deprecated*, Array_2D, Array_2D_Image, Array_2D_Map, Array_2D_Spectrum, Array_3D, Array_3D_Image, Array_3D_Movie, Array_3D_Spectrum			

Band_Bin *Deprecated*

Name: **Band_Bin *Deprecated***			***Version Id:*** **1.0.0.0**
*Description:*The Band_Bin class specifies the characteristics of an individual spectral band in a spectral qube.			
Namespace Id: pds	*Steward:* img	*Role:* concrete	*Status:* Deprecated
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Supplemental :: Band_Bin *Deprecated*			
Attribute(s)	*Name*	*Cardinality*	*Value*
	band_number	1..1	None
	band_width	1..1	None
	center_wavelength	1..1	None
	detector_number	0..1	None
	filter_number	0..1	None
	grating_position	0..1	None
	original_band	0..1	None
	standard_deviation	0..1	None
	scaling_factor	0..1	None
	value_offset	0..1	None
No Associations			
Referenced from: Band_Bin_Set *Deprecated*			

Band_Bin_Set *Deprecated*

Name: **Band_Bin_Set *Deprecated***			***Version Id:*** **1.0.0.0**
*Description:*The Band_Bin_Set class contains the spectral characteristics for all the spectral bands in a qube.			
Namespace Id: pds	*Steward:* img	*Role:* concrete	*Status:* Deprecated
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Supplemental :: Band_Bin_Set *Deprecated*			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_band_bin	1..Unbounded	Band_Bin *Deprecated*
Referenced from: Axis_Array			

Bundle

Name: **Bundle**			***Version Id:*** **1.0.0.0**
*Description:*The Bundle class describes a collection of collections.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Supplemental :: Bundle			
Attribute(s)	*Name*	*Cardinality*	*Value*
	bundle_type	1..1	Archive, Supplemental
	description	0..1	None

Name: **Bundle**			***Version Id:*** **1.0.0.0**
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Conceptual_Object
Referenced from: Product_Bundle			

Bundle_Member_Entry

Name: **Bundle_Member_Entry**			***Version Id:*** **1.0.0.0**
*Description:*The Bundle Member Entry class provides a member reference to a collection.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: Bundle_Member_Entry			
Attribute(s)	*Name*	*Cardinality*	*Value*
	lid_reference	0..1	None
	lidvid_reference	0..1	None
	member_status	1..1	Primary, Secondary
	reference_type	1..1	bundle_has_browse_collection, bundle_has_calibration_collection, bundle_has_context_collection, bundle_has_data_collection, bundle_has_document_collection, bundle_has_geometry_collection, bundle_has_member_collection, bundle_has_schema_collection, bundle_has_spice_kernel_collection
No Associations			
Referenced from: Product_Bundle			

Byte_Stream

Name: **Byte_Stream**			***Version Id:*** **1.0.0.0**
*Description:*The Byte Stream class defines a stream of bytes.			
Namespace Id: pds	*Steward:* pds	*Role:* abstract	*Status:* Active
Class Hierarchy: Tagged_Digital_Object :: Byte_Stream			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	0..1	None
	local_identifier	0..1	None
No Associations			
Referenced from: None			

Checksum_Manifest

Name: **Checksum_Manifest**			***Version Id:*** **1.0.0.0**
*Description:*The Checksum_Manifest class defines a two column table for file references and checksums.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_Digital_Object :: Byte_Stream :: Parsable_Byte_Stream :: Stream_Text :: Checksum_Manifest			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	object_length	0..1	None
	parsing_standard_id	1..1	MD5Deep 4.n
	description	0..1	None
	record_delimiter	1..1	Carriage-Return Line-Feed, carriage-return line-feed
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Digital_Object
Referenced from: File_Area_Checksum_Manifest			

Citation_Information

Name: **Citation_Information**			***Version Id:*** **1.0.0.0**
*Description:*The Citation_Information class provides specific fields often used in citing the product in journal articles, abstract services, and other reference contexts.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: Citation_Information			
Attribute(s)	*Name*	*Cardinality*	*Value*
	author_list	0..1	None
	editor_list	0..1	None
	publication_year	1..1	None
	keyword	0..Unbounded	None
	description	1..1	None
No Associations			
Referenced from: Identification_Area			

Collection

Name: **Collection**			***Version Id:*** **1.0.0.0**
*Description:*The Collection class provides a description of a set of products.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Supplemental :: Collection			

Name: **Collection**			***Version Id:*** **1.0.0.0**
Attribute(s)	*Name*	*Cardinality*	*Value*
	collection_type	1..1	Browse, Calibration, Context, Data, Document, Geometry, Miscellaneous, SPICE Kernel, XML Schema
	description	0..1	None
No Associations			
Referenced from: Product_Collection			

Conceptual_Object

Name: **Conceptual_Object**			***Version Id:*** **1.0.0.0**
*Description:*The Conceptual Object class defines a non-tangible object that is also not a digital object.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Data_Object :: Conceptual_Object			
No Attributes			
No Associations			
Referenced from: Agency, Bundle, DD_Attribute, DD_Attribute_Full, DD_Class, DD_Class_Full, Data_Set_PDS3, Field_Statistics, Geometry, Ingest_LDD, Investigation, Mission_PDS3, Node, Object_Statistics, Observing_System, Other, Quaternion, Resource, Update, Vector, Volume_ PDS3, Volume_Set_PDS3			

Context_Area

Name: **Context_Area**			***Version Id:*** **1.0.0.0**
*Description:*The Context Area provides context information for a product.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: Context_Area			
Attribute(s)	*Name*	*Cardinality*	*Value*
	comment	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	has_time_coordinates	0..1	Time_Coordinates
	has_primary_result_ description	0..1	Primary_Result_ Summary
	has_investigation_area	0..Unbounded	Investigation_Area
	has_observing_system	0..Unbounded	Observing_System
	has_target_ identification	0..Unbounded	Target_Identification
	has_mission_area	0..1	Mission_Area
	has_discipline_area	0..1	Discipline_Area
Referenced from: Product_Bundle, Product_Collection, Product_Document, Product_Native, Product_SPICE_Kernel			

DD_Association

Name: **DD_Association**			***Version Id:*** **1.0.0.0**
*Description:*The DD_Association class defines the association between two classes or a class and an attribute in a data dictionary.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Child :: DD_Association			
Attribute(s)	*Name*	*Cardinality*	*Value*
	local_identifier	1..Unbounded	None
	reference_type	1..1	attribute_of, component_of, extension_of, parent_ of, restriction_of, subclass_of
	minimum_occurrences	1..1	None
	maximum_occurrences	1..1	None
	constant_value	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	dd_attribute_reference	0..1	DD_Attribute_ Reference
	dd_class_reference	0..1	DD_Class_Reference
Referenced from: DD_Class, DD_Class_Full			

DD_Association_External *Deprecated*

Name: **DD_Association_External *Deprecated***			***Version Id:*** **1.0.0.0**
*Description:*The DD_Association_External class defines the association between classes and attributes within the local data dictionary and those external to the local data dictionary.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Deprecated
Class Hierarchy: Tagged_NonDigital_Child :: DD_Association_External *Deprecated*			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	1..1	None
	namespace_id	1..1	None
	reference_type	1..1	attribute_of, component_of, extension_of, parent_ of, restriction_of, subclass_of
	minimum_occurrences	1..1	None
	maximum_occurrences	1..1	None
No Associations			
Referenced from: DD_Class			

DD_Attribute

Name: **DD_Attribute**			***Version Id:*** **1.0.0.0**
*Description:*The DD_Attribute class defines an attribute for a data dictionary.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Supplemental :: DD_Attribute			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	1..1	None
	version_id	1..1	None
	local_identifier	1..1	None
	nillable_flag	1..1	None
	submitter_name	1..1	None
	definition	1..1	None
	comment	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	internal_reference	0..Unbounded	Internal_Reference
	data_object	1..1	Conceptual_Object
	terminological_entry	0..Unbounded	Terminological_Entry
	value_domain_entry	1..1	DD_Value_Domain
Referenced from: Ingest_LDD			

DD_Attribute_Full

Name: **DD_Attribute_Full**			***Version Id:*** **1.0.0.0**
*Description:*The DD_Attribute_Full class provides a more complete definition of an attribute in the data dictionary.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Supplemental :: DD_Attribute_Full			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	1..1	None
	version_id	1..1	None
	class_name	1..1	None
	local_identifier	1..1	None
	steward_id	1..1	atm, geo, img, naif, ops, pds, ppi, rings, rs, sbn
	type	1..1	PDS3, PDS4
	namespace_id	1..1	None
	nillable_flag	1..1	None
	submitter_name	1..1	None
	definition	1..1	None
	comment	0..1	None
	registered_by	1..1	None

Name: **DD_Attribute_Full**			***Version Id:*** **1.0.0.0**
	registration_authority_id	1..1	0001_NASA_PDS_1
	attribute_concept	1..1	Address, Angle, Attribute, Bit, Checksum, Collection, Constant, Cosine, Count, DOI, Delimiter, Description, Deviation, Direction, Distance, Duration, Factor, Flag, Format, Group, Home, ID, Latitude, Length, List, Location, Logical, Longitude, Mask, Maximum, Mean, Median, Minimum, Name, Note, Number, Offset, Order, Parallel, Password, Path, Pattern, Pixel, Quaternion, Radius, Ratio, Reference, Resolution, Role, Rotation, Scale, Sequence, Set, Size, Status, Summary, Syntax, Temperature, Text, Title, Type, Unit, Unknown, Value, Vector
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Conceptual_Object
	terminological_entry	1..Unbounded	Terminological_Entry
	value_domain_entry	0..1	DD_Value_Domain_Full
Referenced from: Product_Attribute_Definition			

DD_Attribute_Reference

Name: **DD_Attribute_Reference**			***Version Id:*** **1.0.0.0**
*Description:*The DD Attribute Reference class provides a reference to an attribute using a namespace identifier and the attribute name.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Child :: DD_Attribute_Reference			
Attribute(s)	*Name*	*Cardinality*	*Value*
	namespace_id	1..1	None
	name	1..1	None
No Associations			
Referenced from: DD_Association, DD_Rule			

DD_Class

Name: **DD_Class**			***Version Id:*** **1.0.0.0**
*Description:*The DD_Class class defines a class for a data dictionary.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Supplemental :: DD_Class			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	1..1	None
	version_id	1..1	None
	local_identifier	1..1	None
	submitter_name	1..1	None
	definition	1..1	None
	abstract_flag	0..1	None
	element_flag	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	internal_reference	0..Unbounded	Internal_Reference
	data_object	1..1	Conceptual_Object
	dd_association	1..Unbounded	DD_Association, DD_Association_External *Deprecated*
	terminological_entry	0..Unbounded	Terminological_Entry
Referenced from: Ingest_LDD			

DD_Class_Full

Name: **DD_Class_Full**			***Version Id:*** **1.0.0.0**
*Description:*The DD_Class_Full class provides a more complete definition of a class for a data dictionary.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Supplemental :: DD_Class_Full			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	1..1	None
	version_id	1..1	None
	local_identifier	1..1	None
	steward_id	1..1	atm, geo, img, naif, ops, pds, ppi, rings, rs, sbn
	type	1..1	PDS3, PDS4
	namespace_id	1..1	None
	submitter_name	1..1	None
	definition	1..1	None
	comment	0..1	None
	registered_by	1..1	None

Name: **DD_Class_Full**			***Version Id:*** **1.0.0.0**
	registration_authority_id	1..1	None
	abstract_flag	0..1	None
	element_flag	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Conceptual_Object
	dd_association	0..Unbounded	DD_Association
	terminological_entry	0..Unbounded	Terminological_Entry
Referenced from: Product_Class_Definition			

DD_Class_Reference

Name: **DD_Class_Reference**			***Version Id:*** **1.0.0.0**
*Description:*The DD Class Reference class provides a reference to a class using a namespace identifier and the class name.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Child :: DD_Class_Reference			
Attribute(s)	*Name*	*Cardinality*	*Value*
	namespace_id	1..1	None
	name	1..1	None
No Associations			
Referenced from: DD_Association, DD_Rule			

DD_Permissible_Value

Name: **DD_Permissible_Value**			***Version Id:*** **1.0.0.0**
*Description:*The DD_Permissible_Value class lists permissible values and their meanings.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Child :: DD_Permissible_Value			
Attribute(s)	*Name*	*Cardinality*	*Value*
	value	1..1	None
	value_meaning	1..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	terminological_entry	0..Unbounded	Terminological_Entry
Referenced from: DD_Value_Domain			

DD_Permissible_Value_Full

Name: **DD_Permissible_Value_Full**			***Version Id:*** **1.0.0.0**
*Description:*The DD_Permissible_Value_Full class lists permissible values, their meanings, and the dates when active.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Child :: DD_Permissible_Value_Full			

Name: **DD_Permissible_Value_Full**			***Version Id:*** **1.0.0.0**
Attribute(s)	*Name*	*Cardinality*	*Value*
	value	1..1	None
	value_meaning	0..1	None
	value_begin_date	1..1	None
	value_end_date	1..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	terminological_entry	0..Unbounded	Terminological_Entry
Referenced from: DD_Value_Domain_Full			

DD_Rule

Name: **DD_Rule**			***Version Id:*** **1.0.0.0**
*Description:*The DD_Rule class defines a Schematron rule for a data dictionary.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Supplemental :: DD_Rule			
Attribute(s)	*Name*	*Cardinality*	*Value*
	local_identifier	1..1	None
	rule_context	1..1	None
	rule_assign	0..Unbounded	None
Association(s)	*Name*	*Cardinality*	*Class*
	dd_attribute_reference	0..1	DD_Attribute_ Reference
	dd_class_reference	0..1	DD_Class_Reference
	rule_statement	1..Unbounded	DD_Rule_Statement
Referenced from: Ingest_LDD			

DD_Rule_Statement

Name: **DD_Rule_Statement**			***Version Id:*** **1.0.0.0**
*Description:*The DD_Rule_Statement class defines a Schematron rule statement.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Supplemental :: DD_Rule_Statement			
Attribute(s)	*Name*	*Cardinality*	*Value*
	rule_type	1..1	Assert, Assert Every, Assert If, Report
	rule_test	1..1	None
	rule_message	1..1	None
	rule_description	0..1	None
	rule_value	0..Unbounded	None
No Associations			
Referenced from: DD_Rule			

DD_Value_Domain

Name: **DD_Value_Domain**			***Version Id:*** **1.0.0.0**
*Description:*The DD_Value_Domain class defines an attribute's permissible values and their constraints.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Child :: DD_Value_Domain			
Attribute(s)	*Name*	*Cardinality*	*Value*
	enumeration_flag	1..1	None
	value_data_type	1..1	ASCII_AnyURI, ASCII_Boolean, ASCII_DOI, ASCII_Date_DOY, ASCII_Date_Time_DOY, ASCII_Date_Time_DOY_UTC, ASCII_Date_Time_YMD, ASCII_Date_Time_YMD_UTC, ASCII_Date_YMD, ASCII_Directory_Path_Name, ASCII_File_Name, ASCII_File_Specification_Name, ASCII_Integer, ASCII_LID, ASCII_LIDVID, ASCII_LIDVID_LID, ASCII_MD5_Checksum, ASCII_NonNegative_Integer, ASCII_Numeric_Base16, ASCII_Numeric_Base2, ASCII_Numeric_Base8, ASCII_Real, ASCII_Short_String_Collapsed, ASCII_Short_String_Preserved, ASCII_Text_Collapsed, ASCII_Text_Preserved, ASCII_Time, ASCII_VID, UTF8_Short_String_Collapsed, UTF8_Short_String_Preserved, UTF8_Text_Preserved, Vector_Cartesian_3, Vector_Cartesian_3_Acceleration, Vector_Cartesian_3_Pointing, Vector_Cartesian_3_Position, Vector_Cartesian_3_Velocity

Name: **DD_Value_Domain**			***Version Id:*** **1.0.0.0**
	formation_rule	0..1	None
	minimum_characters	0..1	None
	maximum_characters	0..1	None
	minimum_value	0..1	None
	maximum_value	0..1	None
	pattern	0..1	None
	unit_of_measure_type	0..1	Units_of_Acceleration, Units_of_Amount_ Of_Substance, Units_ of_Angle, Units_of_ Angular_Velocity, Units_of_Area, Units_ of_Current, Units_of_ Frame_Rate, Units_ of_Frequency, Units_ of_Length, Units_of_ Map_Scale, Units_ of_Mass, Units_of_ Misc, Units_of_None, Units_of_Optical_ Path_Length, Units_ of_Pressure, Units_ of_Radiance, Units_ of_Rates, Units_of_ Solid_Angle, Units_ of_Spectral_Irradiance, Units_of_Spectral_ Radiance, Units_of_ Storage, Units_of_ Temperature, Units_ of_Time, Units_of_ Velocity, Units_of_ Voltage, Units_of_ Volume, Units_of_ Wavenumber
	specified_unit_id	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	permissible_value	0..Unbounded	DD_Permissible_Value
Referenced from: DD_Attribute			

DD_Value_Domain_Full

Name: **DD_Value_Domain_Full**			***Version Id:*** **1.0.0.0**
*Description:*The DD_Value_Domain_Full class provides a more complete definition of a attribute's value domain.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Child :: DD_Value_Domain_Full			
Attribute(s)	*Name*	*Cardinality*	*Value*
	enumeration_flag	1..1	None

Name: **DD_Value_Domain_Full**			*Version Id:* **1.0.0.0**
	value_data_type	1..1	ASCII_AnyURI, ASCII_Boolean, ASCII_DOI, ASCII_Date_DOY, ASCII_Date_Time_DOY, ASCII_Date_Time_DOY_UTC, ASCII_Date_Time_YMD, ASCII_Date_Time_YMD_UTC, ASCII_Date_YMD, ASCII_Directory_Path_Name, ASCII_File_Name, ASCII_File_Specification_Name, ASCII_Integer, ASCII_LID, ASCII_LIDVID, ASCII_LIDVID_LID, ASCII_MD5_Checksum, ASCII_NonNegative_Integer, ASCII_Numeric_Base16, ASCII_Numeric_Base2, ASCII_Numeric_Base8, ASCII_Real, ASCII_Short_String_Collapsed, ASCII_Short_String_Preserved, ASCII_Text_Collapsed, ASCII_Text_Preserved, ASCII_Time, ASCII_VID, UTF8_Short_String_Collapsed, UTF8_Short_String_Preserved, UTF8_Text_Preserved
	formation_rule	0..1	None
	minimum_characters	0..1	None
	maximum_characters	0..1	None
	minimum_value	0..1	None
	maximum_value	0..1	None
	pattern	0..1	None
	unit_of_measure_type	0..1	Units_of_Amount_Of_Substance, Units_of_Angle, Units_of_Angular_Velocity, Units_of_Area, Units_of_Current, Units_of_Frame_Rate, Units_of_Frequency, Units_of_Length, Units_of_

Name: **DD_Value_Domain_Full**			***Version Id:*** **1.0.0.0**
			Map_Scale, Units_of_Mass, Units_of_Misc, Units_of_None, Units_of_Optical_Path_Length, Units_of_Pressure, Units_of_Radiance, Units_of_Rates, Units_of_Solid_Angle, Units_of_Spectral_Irradiance, Units_of_Spectral_Radiance, Units_of_Storage, Units_of_Temperature, Units_of_Time, Units_of_Velocity, Units_of_Voltage, Units_of_Volume, Units_of_Wavenumber
	conceptual_domain	1..1	Boolean, Integer, Name, Numeric, Real, Short_String, Text, Time, Type, Unknown
	specified_unit_id	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	permissible_value	0..Unbounded	DD_Permissible_Value_Full
Referenced from: DD_Attribute_Full			

DIP_Deep_Archive

Name: **DIP_Deep_Archive**			***Version Id:*** **1.1.0.0**
*Description:*The Dissemination Information Package Deep Archive class is an Information Package derived from one or more AIPs and is received by the National Space Science Data Center (NSSDC).			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Supplemental :: Information_Package :: DIP_Deep_Archive			
Attribute(s)	*Name*	*Cardinality*	*Value*
	description	1..1	None
No Associations			
Referenced from: Product_DIP_Deep_Archive			

Data_Object

Name: **Data_Object**			***Version Id:*** **1.0.0.0**
*Description:*The Data_Object class defines a thing about which almost nothing is known.			
Namespace Id: pds	*Steward:* ops	*Role:* abstract	*Status:* Active
Class Hierarchy: Data_Object			

Name: **Data_Object**			***Version Id:*** **1.0.0.0**
No Attributes			
No Associations			
Referenced from: None			

Digital_Object

Name: **Digital_Object**			***Version Id:*** **1.0.0.0**
*Description:*The Digital Object class defines a sequence of digital bits.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Data_Object :: Digital_Object			
Attribute(s)	*Name*	*Cardinality*	*Value*
	bit_string	1..1	None
No Associations			
Referenced from: Array, Array_1D *Deprecated*, Array_2D, Array_2D_Image, Array_2D_Map, Array_2D_Spectrum, Array_3D, Array_3D_Image, Array_3D_Movie, Array_3D_Spectrum, Checksum_Manifest, Document, Document_File, Encoded_Binary, Encoded_Byte_Stream, Encoded_Header, Encoded_Image, Encoded_Native, File, Header, Inventory, Manifest_SIP_ Deep_Archive, Parsable_Byte_Stream, SPICE_Kernel, Service_Description, Software, Software_ Binary, Software_Script, Software_Source, Stream_Text, Table_Base, Table_Binary, Table_ Character, Table_Delimited, Transfer_Manifest, XML_Schema			

Discipline_Area

Name: **Discipline_Area**			***Version Id:*** **1.0.0.0**
*Description:*The Discipline area allows the insertion of discipline specific metadata.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: Discipline_Area			
No Attributes			
No Associations			
Referenced from: Context_Area, Observation_Area, Product_Context			

Discipline_Facets

Name: **Discipline_Facets**			***Version Id:*** **1.1.0.0**
*Description:*The Discipline_Facets class contains the discipline-related search facets. It is required and may not be repeated. Note that Science_Facets was modeled with Discipline_Facets as a component and Discipline_Facets was modeled with Group_Facet1 and Group_Facet2 as components. This dependency hierarchy was flattened and only Science_Facets exists in the schema.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: Discipline_Facets			
Attribute(s)	*Name*	*Cardinality*	*Value*
	discipline_name	1..1	Atmospheres, Fields, Flux Measurements, Imaging, Particles, Ring-Moon Systems,

Name: **Discipline_Facets**			***Version Id:*** **1.1.0.0**
			Small Bodies, Spectroscopy
Association(s)	*Name*	*Cardinality*	*Class*
	has_Group_Facet1	0..Unbounded	Group_Facet1
	has_Group_Facet2	0..Unbounded	Group_Facet2
Referenced from: Science_Facets			

Display_2D_Image *Deprecated*

Name: **Display_2D_Image *Deprecated***			***Version Id:*** **1.0.0.0**
*Description:*The Display_2D_Image class provides attributes to enable the display of a 2 dimensional image.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Deprecated
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Supplemental :: Display_2D_Image *Deprecated*			
Attribute(s)	*Name*	*Cardinality*	*Value*
	line_display_direction	1..1	Down, Up
	sample_display_ direction	1..1	Right
No Associations			
Referenced from: Array_2D_Image, Array_2D_Map, Array_2D_Spectrum			

Dissemination_Information_Package

Name: **Dissemination_Information_Package**			***Version Id:*** **1.n.0.0**
*Description:*The Dissemination Information Package (DIP) class defines an Information Package, derived from one or more AIPs, that is received by a consumer.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Supplemental :: Information_Package :: Dissemination_Information_Package			
Attribute(s)	*Name*	*Cardinality*	*Value*
	description	1..1	None
No Associations			
Referenced from: Product_DIP			

Document

Name: **Document**			***Version Id:*** **1.0.0.0**
*Description:*The Document class describes a document.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Supplemental :: Document			
Attribute(s)	*Name*	*Cardinality*	*Value*
	revision_id	0..1	None
	document_name	0..1	None

Name: **Document**			***Version Id:*** **1.0.0.0**
	doi	0..1	None
	author_list	0..1	None
	editor_list	0..1	None
	acknowledgement_text	0..1	None
	copyright	0..1	None
	publication_date	1..1	None
	document_editions	0..1	None
	description	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	has_document_edition	1..Unbounded	Document_Edition
	data_object	1..1	Digital_Object
Referenced from: Product_Document			

Document_Edition

Name: **Document_Edition**			***Version Id:*** **1.0.0.0**
*Description:*A Document Edition is one complete version of the document in a set of files that is distinguished by language, a unique assemblage of file formats, or some other criteria.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Child :: Document_Edition			
Attribute(s)	*Name*	*Cardinality*	*Value*
	edition_name	1..1	None
	starting_point_ identifier	0..1	None
	language	1..1	None
	files	1..1	None
	description	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	has_document_file	1..Unbounded	Document_File
Referenced from: Document			

Document_File

Name: **Document_File**			***Version Id:*** **1.0.0.0**
*Description:*The Document File class describes a file which is a part of a document.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_Digital_Object :: File :: Document_File			
Attribute(s)	*Name*	*Cardinality*	*Value*
	file_name	1..1	None
	local_identifier	0..1	None
	creation_date_time	0..1	None
	file_size	0..1	None

Name: **Document_File**			***Version Id:*** **1.0.0.0**
	records	0..1	None
	md5_checksum	0..1	None
	comment	0..1	None
	directory_path_name	0..1	None
	document_standard_id	1..1	7-Bit ASCII Text, Encapsulated Postscript, GIF, HTML 2.0, HTML 3.2, HTML 4.0, HTML 4.01, JPEG, LaTEX, Microsoft Excel, Microsoft Word, PDF, PDF/A, PNG, Postscript, Rich Text, TIFF, UTF-8 Text
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Digital_Object
Referenced from: Document_Edition			

Element_Array

Name: **Element_Array**			***Version Id:*** **1.0.0.0**
*Description:*The Element Array class is used as a component of the array class and defines an element of the array.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_Digital_Child :: Element_Array			
Attribute(s)	*Name*	*Cardinality*	*Value*
	data_type	1..1	ComplexLSB16, ComplexLSB8, ComplexMSB16, ComplexMSB8, IEEE754LSBDouble, IEEE754LSBSingle, IEEE754MSBDouble, IEEE754MSBSingle, SignedBitString, SignedByte, SignedLSB2, SignedLSB4, SignedLSB8, SignedMSB2, SignedMSB4, SignedMSB8, UnsignedBitString, UnsignedByte, UnsignedLSB2, UnsignedLSB4, UnsignedLSB8, UnsignedMSB2, UnsignedMSB4, UnsignedMSB8

Name: **Element_Array**			***Version Id:*** **1.0.0.0**
	unit	0..1	None
	scaling_factor	0..1	None
	value_offset	0..1	None
No Associations			
Referenced from: Array, Array_1D *Deprecated*, Array_2D, Array_2D_Image, Array_2D_Map, Array_2D_Spectrum, Array_3D, Array_3D_Image, Array_3D_Movie, Array_3D_Spectrum			

Encoded_Binary

Name: **Encoded_Binary**			***Version Id:*** **1.0.0.0**
*Description:*The Encoded Binary class describes a binary encoded byte stream. This class is used to describe files in the repository that are being registered using Product_File_Repository.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_Digital_Object :: Byte_Stream :: Encoded_Byte_Stream :: Encoded_Binary			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	object_length	0..1	None
	encoding_standard_id	1..1	CCSDS Space Communications Protocols
	description	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Digital_Object
Referenced from: File_Area_Binary, File_Area_Observational_Supplemental			

Encoded_Byte_Stream

Name: **Encoded_Byte_Stream**			***Version Id:*** **1.0.0.0**
*Description:*The Encoded Byte Stream class defines byte streams that must be decoded by software before use. These byte streams must only use standard encodings. The Encoded Byte Stream class is the parent class for all encoded byte streams.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_Digital_Object :: Byte_Stream :: Encoded_Byte_Stream			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	object_length	0..1	None
	encoding_standard_id	1..1	None
	description	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*

Name: **Encoded_Byte_Stream**			*Version Id:* **1.0.0.0**
	data_object	1..1	Digital_Object
Referenced from: File_Area_Observational_Supplemental			

Encoded_Header

Name: **Encoded_Header**			*Version Id:* **1.0.0.0**
*Description:*The Encoded Header class describes a header that has been encoded using an encoding scheme that is compliant to an external standard.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_Digital_Object :: Byte_Stream :: Encoded_Byte_Stream :: Encoded_Header			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	object_length	0..1	None
	encoding_standard_id	1..1	TIFF
	description	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Digital_Object
Referenced from: File_Area_Browse, File_Area_Observational, File_Area_Observational_Supplemental			

Encoded_Image

Name: **Encoded_Image**			*Version Id:* **1.0.0.0**
*Description:*The Encoded Image class is used for ancillary images in standard formats, such as JPEG.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_Digital_Object :: Byte_Stream :: Encoded_Byte_Stream :: Encoded_Image			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	object_length	0..1	None
	encoding_standard_id	1..1	GIF, J2C, JPEG, PDF, PDF/A, PNG, TIFF
	description	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Digital_Object
Referenced from: File_Area_Browse, File_Area_Encoded_Image, File_Area_Observational_Supplemental			

Encoded_Native

Name: **Encoded_Native**			***Version Id:*** **1.0.0.0**
*Description:*The Encoded Native class describes a binary encoded byte stream. This class is used to describe data objects for Product_Native.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_Digital_Object :: Byte_Stream :: Encoded_Byte_Stream :: Encoded_Native			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	object_length	0..1	None
	encoding_standard_id	1..1	SEED 2.4
	description	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Digital_Object
Referenced from: File_Area_Native			

External_Reference

Name: **External_Reference**			***Version Id:*** **1.0.0.0**
*Description:*The External_Reference class is used to reference a source outside the PDS registry system.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: External_Reference			
Attribute(s)	*Name*	*Cardinality*	*Value*
	doi	0..1	None
	reference_text	1..1	None
	description	0..1	None
No Associations			
Referenced from: Observing_System_Component, Reference_List			

External_Reference_Extended

Name: **External_Reference_Extended**			***Version Id:*** **1.0.0.0**
*Description:*The External_Reference_Extended class is used to reference a source outside the PDS registry system. This extension is used in the local data dictionary.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: External_Reference :: External_Reference_Extended			
Attribute(s)	*Name*	*Cardinality*	*Value*
	doi	0..1	None
	reference_text	1..1	None
	description	0..1	None

Name: **External_Reference_Extended**			***Version Id:*** **1.0.0.0**
	name	0..1	None
	url	0..1	None
No Associations			
Referenced from: Terminological_Entry			

Facility

Name: **Facility**			***Version Id:*** **1.0.0.0**
*Description:*The Facility class provides a name and address for a terrestrial observatory or laboratory.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Context :: Facility			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	0..1	None
	type	0..1	Laboratory, Observatory
	address	0..1	None
	country	0..1	None
	description	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Physical_Object
Referenced from: Product_Context			

Field

Name: **Field**			***Version Id:*** **1.0.0.0**
*Description:*The Field class defines a field of a record and is the parent class of all specific field classes.The Field class defines a field of a record or a field of a group and is the parent class of all specific field classes.			
Namespace Id: pds	*Steward:* pds	*Role:* abstract	*Status:* Active
Class Hierarchy: Tagged_Digital_Child :: Field			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	1..1	None
	field_number	0..1	None
No Associations			
Referenced from: None			

Field_Binary

Name: **Field_Binary**			***Version Id:*** **1.0.0.0**
*Description:*The Field_Binary class defines a field of a binary record or a field of a binary group.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_Digital_Child :: Field :: Field_Binary			

Name: **Field_Binary**			***Version Id:*** **1.0.0.0**
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	1..1	None
	field_number	0..1	None
	field_location	1..1	None
	data_type	1..1	ASCII_AnyURI, ASCII_Boolean, ASCII_DOI, ASCII_Date_DOY, ASCII_Date_Time_DOY, ASCII_Date_Time_DOY_UTC, ASCII_Date_Time_YMD, ASCII_Date_Time_YMD_UTC, ASCII_Date_YMD, ASCII_Directory_Path_Name, ASCII_File_Name, ASCII_File_Specification_Name, ASCII_Integer, ASCII_LID, ASCII_LIDVID, ASCII_LIDVID_LID, ASCII_MD5_Checksum, ASCII_NonNegative_Integer, ASCII_Numeric_Base16, ASCII_Numeric_Base2, ASCII_Numeric_Base8, ASCII_Real, ASCII_String, ASCII_Time, ASCII_VID, ComplexLSB16, ComplexLSB8, ComplexMSB16, ComplexMSB8, IEEE754LSBDouble, IEEE754LSBSingle, IEEE754MSBDouble, IEEE754MSBSingle, SignedBitString, SignedByte, SignedLSB2, SignedLSB4, SignedLSB8, SignedMSB2, SignedMSB4, SignedMSB8, UTF8_String, UnsignedBitString, UnsignedByte, UnsignedLSB2, UnsignedLSB4, UnsignedLSB8, UnsignedMSB2,

Name: **Field_Binary**			***Version Id:*** **1.0.0.0**
			UnsignedMSB4, UnsignedMSB8
	field_length	1..1	None
	field_format	0..1	None
	unit	0..1	None
	scaling_factor	0..1	None
	value_offset	0..1	None
	description	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	associated_Special_ Constants	0..1	Special_Constants
	associated_Statistics	0..1	Field_Statistics
	has_Packed_Data_ Fields	0..1	Packed_Data_Fields
Referenced from: Group_Field_Binary, Record_Binary			

Field_Bit

Name: **Field_Bit**			***Version Id:*** **1.0.0.0**
*Description:*The Field_Bit class provides parameters for extracting one field out of a string of bytes which contains packed data (that is, data values either smaller than a single byte, or crossing byte boundaries, or both.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_Digital_Child :: Field :: Field_Bit			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	1..1	None
	field_number	0..1	None
	start_bit	1..1	None
	stop_bit	1..1	None
	data_type	1..1	SignedBitString, UnsignedBitString
	field_format	0..1	None
	unit	0..1	None
	scaling_factor	0..1	None
	value_offset	0..1	None
	description	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	associated_Special_ Constants	0..1	Special_Constants
Referenced from: Packed_Data_Fields			

Field_Character

Name: **Field_Character**			***Version Id:*** **1.0.0.0**
*Description:*The Field_Character class defines a field of a character record or a field of a character group.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_Digital_Child :: Field :: Field_Character			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	1..1	None
	field_number	0..1	None
	field_location	1..1	None
	data_type	1..1	ASCII_AnyURI, ASCII_Boolean, ASCII_DOI, ASCII_Date_DOY, ASCII_Date_Time_DOY, ASCII_Date_Time_DOY_UTC, ASCII_Date_Time_YMD, ASCII_Date_Time_YMD_UTC, ASCII_Date_YMD, ASCII_Directory_Path_Name, ASCII_File_Name, ASCII_File_Specification_Name, ASCII_Integer, ASCII_LID, ASCII_LIDVID, ASCII_LIDVID_LID, ASCII_MD5_Checksum, ASCII_NonNegative_Integer, ASCII_Numeric_Base16, ASCII_Numeric_Base2, ASCII_Numeric_Base8, ASCII_Real, ASCII_String, ASCII_Time, ASCII_VID, UTF8_String
	field_length	1..1	None
	field_format	0..1	None
	unit	0..1	None
	scaling_factor	0..1	None
	value_offset	0..1	None
	description	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	associated_Special_Constants	0..1	Special_Constants
	associated_Statistics	0..1	Field_Statistics

Name: **Field_Character**	***Version Id:*** **1.0.0.0**
Referenced from: Group_Field_Character, Record_Character	

Field_Delimited

Name: **Field_Delimited**			***Version Id:*** **1.0.0.0**
*Description:*The Field_Delimited class defines a field of a delimited record or a field of a delimited group.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_Digital_Child :: Field :: Field_Delimited			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	1..1	None
	field_number	0..1	None
	data_type	1..1	ASCII_AnyURI, ASCII_Boolean, ASCII_DOI, ASCII_Date_DOY, ASCII_Date_Time_DOY, ASCII_Date_Time_DOY_UTC , ASCII_Date_Time_YMD, ASCII_Date_Time_YMD_UTC, ASCII_Date_YMD, ASCII_Directory_Path_Name, ASCII_File_Name, ASCII_File_Specification_Name, ASCII_Integer, ASCII_LID, ASCII_LIDVID, ASCII_LIDVID_LID, ASCII_MD5_Checksum, ASCII_NonNegative_Integer, ASCII_Numeric_Base16, ASCII_Numeric_Base2, ASCII_Numeric_Base8, ASCII_Real, ASCII_String, ASCII_Time, ASCII_VID, UTF8_String
	maximum_field_length	0..1	None
	field_format	0..1	None
	unit	0..1	None
	scaling_factor	0..1	None
	value_offset	0..1	None
	description	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*

Name: **Field_Delimited**			***Version Id:*** **1.0.0.0**
	associated_Special_ Constants	0..1	Special_Constants
	associated_Statistics	0..1	Field_Statistics
Referenced from: Group_Field_Delimited, Record_Delimited			

Field_Statistics

Name: **Field_Statistics**			***Version Id:*** **1.0.0.0**
*Description:*The Field Statistics class provides a set of metrics for a column formed by a field in a repeating record.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Supplemental :: Field_Statistics			
Attribute(s)	*Name*	*Cardinality*	*Value*
	local_identifier	0..1	None
	maximum	0..1	None
	minimum	0..1	None
	mean	0..1	None
	standard_deviation	0..1	None
	median	0..1	None
	description	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Conceptual_Object
Referenced from: Field_Binary, Field_Character, Field_Delimited			

File

Name: **File**			***Version Id:*** **1.0.0.0**
*Description:*The File class consists of attributes that describe a file in a data store.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_Digital_Object :: File			
Attribute(s)	*Name*	*Cardinality*	*Value*
	file_name	1..1	None
	local_identifier	0..1	None
	creation_date_time	0..1	None
	file_size	0..1	None
	records	0..1	None
	md5_checksum	0..1	None
	comment	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Digital_Object
Referenced from: File_Area_Binary, File_Area_Browse, File_Area_Checksum_Manifest, File_ Area_Encoded_Image, File_Area_Inventory, File_Area_Native, File_Area_Observational, File_ Area_Observational_Supplemental, File_Area_SIP_Deep_Archive, File_Area_SPICE_Kernel,			

Name: **File**	***Version Id:*** **1.0.0.0**
File_Area_Service_Description, File_Area_Text, File_Area_Transfer_Manifest, File_Area_XML_Schema, Product_Zipped	

File_Area

Name: **File_Area**			***Version Id:*** **1.0.0.0**
*Description:*The File_Area class defines a File and its component data objects.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: File_Area			
No Attributes			
No Associations			
Referenced from: None			

File_Area_Binary

Name: **File_Area_Binary**			***Version Id:*** **1.0.0.0**
*Description:*The File Area Binary class describes a file that contains an encoded byte stream.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: File_Area :: File_Area_Binary			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_File	1..1	File
	has_tagged_data_object	0..Unbounded	Encoded_Binary
Referenced from: Product_File_Repository, Product_Proxy_PDS3			

File_Area_Browse

Name: **File_Area_Browse**			***Version Id:*** **1.0.0.0**
*Description:*The File Area Browse class describes a file and one or more tagged_data_objects contained within the file.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: File_Area :: File_Area_Browse			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_File	1..1	File
	has_tagged_data_object	1..Unbounded	Array, Array_1D *Deprecated*, Array_2D, Array_2D_Image, Array_2D_Map, Array_2D_Spectrum, Array_3D, Array_3D_Image, Array_3D_Movie, Array_3D_Spectrum, Encoded_Header,

Name: **File_Area_Browse**			***Version Id:*** **1.0.0.0**
			Encoded_Image, Header, Stream_Text, Table_Binary, Table_ Character, Table_ Delimited
Referenced from: Product_Browse			

File_Area_Checksum_Manifest

Name: **File_Area_Checksum_Manifest**			***Version Id:*** **1.0.0.0**
*Description:*The File Area Checksum Manifest class describes a file that contains a two column table for file references and checksums.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: File_Area :: File_Area_Checksum_Manifest			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_File	1..1	File
	has_tagged_data_object	1..1	Checksum_Manifest
Referenced from: Information_Package_Component			

File_Area_Encoded_Image

Name: **File_Area_Encoded_Image**			***Version Id:*** **1.0.0.0**
*Description:*The File Area Encoded Image class describes a file that contains an Encoded Image object.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: File_Area :: File_Area_Encoded_Image			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_File	1..1	File
	has_tagged_data_object	1..1	Encoded_Image
Referenced from: Product_Thumbnail			

File_Area_Inventory

Name: **File_Area_Inventory**			***Version Id:*** **1.0.0.0**
*Description:*The File Area Inventory class describes a file and an inventory consisting of references to members.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: File_Area :: File_Area_Inventory			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_File	1..1	File
	has_tagged_data_object	1..1	Inventory

Name: **File_Area_Inventory**	***Version Id:*** **1.0.0.0**
Referenced from: Product_Collection	

File_Area_Native

Name: **File_Area_Native**			***Version Id:*** **1.2.0.0**
*Description:*The File Area Native describes tagged_data_objects collected from an instrument.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: File_Area :: File_Area_Native			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_File	1..1	File
	has_tagged_data_object	1..Unbounded	Encoded_Native
Referenced from: Product_Native			

File_Area_Observational

Name: **File_Area_Observational**			***Version Id:*** **1.0.0.0**
*Description:*The File Area Observational class describes, for an observational product, a file and one or more tagged_data_objects contained within the file.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: File_Area :: File_Area_Observational			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_File	1..1	File
	has_tagged_data_object	1..Unbounded	Array, Array_1D *Deprecated*, Array_2D, Array_2D_Image, Array_2D_Map, Array_2D_Spectrum, Array_3D, Array_3D_Image, Array_3D_Movie, Array_3D_Spectrum, Encoded_Header, Header, Stream_Text, Table_Binary, Table_Character, Table_Delimited
Referenced from: Product_Observational			

File_Area_Observational_Supplemental

Name: **File_Area_Observational_Supplemental**			***Version Id:*** **1.0.0.0**
*Description:*The File Area Observational Supplemental class describes, for an observational product, additional files and tagged_data_objects contained within the file.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active

Name: **File_Area_Observational_Supplemental**			***Version Id:*** **1.0.0.0**
Class Hierarchy: Product_Components :: File_Area :: File_Area_Observational_Supplemental			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_File	1..1	File
	has_tagged_data_object	1..Unbounded	Array, Array_1D *Deprecated*, Array_ 2D, Array_2D_ Image, Array_2D_ Map, Array_2D_ Spectrum, Array_3D, Array_3D_Image, Array_3D_Movie, Array_3D_Spectrum, Encoded_Binary, Encoded_Byte_Stream, Encoded_Header, Encoded_Image, Header, Parsable_ Byte_Stream, Stream_ Text, Table_Binary, Table_Character, Table_Delimited
Referenced from: Product_Observational			

File_Area_SIP_Deep_Archive

Name: **File_Area_SIP_Deep_Archive**			***Version Id:*** **1.0.0.0**
*Description:*The File Area SIP Deep Archive class describes the File Area for the Submission Information Package (SIP) for the NASA planetary science deep archive.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: File_Area :: File_Area_SIP_Deep_Archive			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_File	1..1	File
	has_tagged_data_object	1..1	Manifest_SIP_Deep_ Archive
Referenced from: Information_Package_Component_Deep_Archive			

File_Area_SPICE_Kernel

Name: **File_Area_SPICE_Kernel**			***Version Id:*** **1.0.0.0**
*Description:*The File Area SPICE Kernel class describes a file that contains a SPICE Kernel object.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: File_Area :: File_Area_SPICE_Kernel			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_File	1..1	File

Name: **File_Area_SPICE_Kernel**			***Version Id:*** **1.0.0.0**
	has_tagged_data_object	1..1	SPICE_Kernel
Referenced from: Product_SPICE_Kernel			

File_Area_Service_Description

Name: **File_Area_Service_Description**			***Version Id:*** **1.0.0.0**
*Description:*The File Area Service Description class describes a file that contains a service description.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: File_Area :: File_Area_Service_Description			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_File	1..1	File
	has_tagged_data_object	1..Unbounded	Service_Description
Referenced from: Product_Service			

File_Area_Text

Name: **File_Area_Text**			***Version Id:*** **1.0.0.0**
*Description:*The File Area Text class describes a file that contains a text stream object.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: File_Area :: File_Area_Text			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_File	1..1	File
	has_tagged_data_object	1..1	Stream_Text
Referenced from: Product_Bundle, Product_File_Text			

File_Area_Transfer_Manifest

Name: **File_Area_Transfer_Manifest**			***Version Id:*** **1.0.0.0**
*Description:*The File Area Transfer Manifest class describes a file that contains a two column table that maps the logical identifiers and version ids of products to their file specification names.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: File_Area :: File_Area_Transfer_Manifest			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_File	1..1	File
	has_tagged_data_object	1..1	Transfer_Manifest
Referenced from: Information_Package_Component			

File_Area_XML_Schema

Name: **File_Area_XML_Schema**			***Version Id:*** **1.0.0.0**
*Description:*The File Area XML Schema class describes a file that contains a resource used for the PDS4 implementation into XML.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: File_Area :: File_Area_XML_Schema			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_File	1..1	File
	has_tagged_data_object	1..1	XML_Schema
Referenced from: Product_XML_Schema			

Geometry

Name: **Geometry**			***Version Id:*** **1.n.0.0**
*Description:*The Geometry class groups geometry information.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Supplemental :: Geometry			
Attribute(s)	*Name*	*Cardinality*	*Value*
	local_identifier	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Conceptual_Object
	vector	0..Unbounded	Vector
Referenced from: None			

Group

Name: **Group**			***Version Id:*** **1.0.0.0**
*Description:*The Group class defines a group of (repeating) fields and, possibly, (sub) groups; it is the parent class of all specific group classes.			
Namespace Id: pds	*Steward:* pds	*Role:* abstract	*Status:* Active
Class Hierarchy: Tagged_Digital_Child :: Group			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	0..1	None
	group_number	0..1	None
	repetitions	1..1	None
	fields	1..1	None
	groups	1..1	None
	description	0..1	None
No Associations			
Referenced from: None			

Group_Facet1

Name: **Group_Facet1**			***Version Id:*** **1.1.0.0**
*Description:*The Group_Facet1 class contains a single facet restricted according to the value of discipline_name. It also contains zero or more subfacets restricted according to the value of the facet. Note that Science_Facets was modeled with Discipline_Facets as a component and Discipline_Facets was modeled with Group_Facet1 and Group_Facet2 as components. This dependency hierarchy was flattened and only Science_Facets exists in the schema.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: Group_Facet1			
Attribute(s)	*Name*	*Cardinality*	*Value*
	facet1	0..1	2D, Color, Color Movie, Dust Study, Dynamical Properties, Electric, Electrons, Gas Study, Grayscale, Historical Reference, Ions, Lightcurve, Linear, Magnetic, Meteoritics, Meteorology, Movie, Neutrals, Photometry, Physical Properties, Polarimetry, Production Rates, Ring Compositional Map, Ring Occultation Profile, Ring Thermal Map, Satellite Astrometry, Shape Model, Spectral Cube, Spectral Image, Structure, Tabulated, Taxonomy
	subfacet1	0..Unbounded	None
No Associations			
Referenced from: Discipline_Facets			

Group_Facet2

Name: **Group_Facet2**			***Version Id:*** **1.1.0.0**
*Description:*The Group_Facet2 class contains a single facet restricted according to the value of discipline_name. It also contains zero or more subfacets restricted according to the value of the facet. Note that Science_Facets was modeled with Discipline_Facets as a component and Discipline_Facets was modeled with Group_Facet1 and Group_Facet2 as components. This dependency hierarchy was flattened and only Science_Facets exists in the schema.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: Group_Facet2			
Attribute(s)	*Name*	*Cardinality*	*Value*

Name: **Group_Facet2**			***Version Id:*** **1.1.0.0**
	facet2	0..1	Background, Cosmic Ray, Energetic, Plasma, Solar Energetic, Waves
	subfacet2	0..Unbounded	None
No Associations			
Referenced from: Discipline_Facets			

Group_Field_Binary

Name: **Group_Field_Binary**			***Version Id:*** **1.0.0.0**
*Description:*The Group_Field_Binary class allows a group of table fields.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_Digital_Child :: Group :: Group_Field_Binary			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	0..1	None
	group_number	0..1	None
	repetitions	1..1	None
	fields	1..1	None
	groups	1..1	None
	description	0..1	None
	group_location	1..1	None
	group_length	1..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	has_Group_Field_ Binary	1..Unbounded	Field_Binary, Group_ Field_Binary
Referenced from: Group_Field_Binary, Record_Binary			

Group_Field_Character

Name: **Group_Field_Character**			***Version Id:*** **1.0.0.0**
*Description:*The Group_Field_Character class allows a group of table fields.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_Digital_Child :: Group :: Group_Field_Character			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	0..1	None
	group_number	0..1	None
	repetitions	1..1	None
	fields	1..1	None
	groups	1..1	None
	description	0..1	None
	group_location	1..1	None
	group_length	1..1	None
Association(s)	*Name*	*Cardinality*	*Class*

Name: **Group_Field_Character**			***Version Id:*** **1.0.0.0**
	has_Group_Field_Character	1..Unbounded	Field_Character, Group_Field_Character
Referenced from: Group_Field_Character, Record_Character			

Group_Field_Delimited

Name: **Group_Field_Delimited**			***Version Id:*** **1.0.0.0**
*Description:*The Field_Group_Delimited class allows a group of delimited fields.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_Digital_Child :: Group :: Group_Field_Delimited			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	0..1	None
	group_number	0..1	None
	repetitions	1..1	None
	fields	1..1	None
	groups	1..1	None
	description	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	has_Delimited_Field_Grouped	1..Unbounded	Field_Delimited, Group_Field_Delimited
Referenced from: Group_Field_Delimited, Record_Delimited			

Header

Name: **Header**			***Version Id:*** **1.0.0.0**
*Description:*The Header class describes a data object header.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_Digital_Object :: Byte_Stream :: Parsable_Byte_Stream :: Header			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	object_length	1..1	None
	parsing_standard_id	1..1	7-Bit ASCII Text, CDF 3.4 ISTP/IACG, FITS 3.0, ISIS2, ISIS2 History Label, ISIS3, PDS DSV 1, PDS ODL 2, PDS3, Pre-PDS3, UTF-8 Text, VICAR1, VICAR2
	description	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Digital_Object

Name: **Header**	***Version Id:*** **1.0.0.0**
Referenced from: File_Area_Browse, File_Area_Observational, File_Area_Observational_ Supplemental	

Identification_Area

Name: **Identification_Area**			***Version Id:*** **1.0.0.0**
*Description:*The identification area consists of attributes that identify and name an object.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: Identification_Area			
Attribute(s)	*Name*	*Cardinality*	*Value*
	logical_identifier	1..1	None
	version_id	1..1	None
	title	1..1	None
	information_model_ version	1..1	1.0.0.0, 1.1.0.0, 1.2.0.0, 1.2.0.1, 1.3.0.0, 1.3.0.1, 1.4.0.0
	product_class	1..1	Product_AIP, Product_ Attribute_Definition, Product_Browse, Product_Bundle, Product_Class_ Definition, Product_ Collection, Product_ Context, Product_ DIP, Product_DIP_ Deep_Archive, Product_Data_Set_ PDS3, Product_ Document, Product_ File_Repository, Product_File_Text, Product_Instrument_ Host_PDS3, Product_ Instrument_PDS3, Product_Mission_ PDS3, Product_Native, Product_Observational, Product_Proxy_PDS3, Product_SIP, Product_ SIP_Deep_Archive, Product_SPICE_ Kernel, Product_ Service, Product_ Software, Product_ Subscription_PDS3, Product_Target_PDS3, Product_Thumbnail, Product_Update, Product_Volume_ PDS3, Product_ Volume_Set_PDS3, Product_XML_

Name: **Identification_Area**			***Version Id:*** **1.0.0.0**
			Schema, Product_ Zipped
Association(s)	*Name*	*Cardinality*	*Class*
	alias_list	0..1	Alias_List
	citation_information	0..1	Citation_Information
	modification_history	0..1	Modification_History
Referenced from: Product, Product_AIP, Product_Attribute_Definition, Product_Browse, Product_ Bundle, Product_Class_Definition, Product_Collection, Product_Context, Product_DIP, Product_ DIP_Deep_Archive, Product_Data_Set_PDS3, Product_Document, Product_File_Repository, Product_File_Text, Product_Instrument_Host_PDS3, Product_Instrument_PDS3, Product_ Mission_PDS3, Product_Native, Product_Observational, Product_Proxy_PDS3, Product_SIP, Product_SIP_Deep_Archive, Product_SPICE_Kernel, Product_Service, Product_Software, Product_Subscription_PDS3, Product_Target_PDS3, Product_Thumbnail, Product_Update, Product_Volume_PDS3, Product_Volume_Set_PDS3, Product_XML_Schema, Product_Zipped			

Information_Package

Name: **Information_Package**			***Version Id:*** **1.1.0.0**
*Description:*The Information Package class defines the Information Package as described in the OAIS Reference Model and is the parent class of all specific IP classes.			
Namespace Id: pds	*Steward:* ops	*Role:* abstract	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Supplemental :: Information_Package			
Attribute(s)	*Name*	*Cardinality*	*Value*
	description	1..1	None
No Associations			
Referenced from: None			

Information_Package_Component

Name: **Information_Package_Component**			***Version Id:*** **1.1.0.0**
*Description:*The Information_Package_Component class associates a Bundle, Collections or Basic Products with Checksum and Storage Manifests.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Supplemental :: Information_Package_ Component			
Attribute(s)	*Name*	*Cardinality*	*Value*
	checksum_manifest_ checksum	0..1	None
	checksum_type	0..1	None
	transfer_manifest_ checksum	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	internal_reference	1..Unbounded	Internal_Reference
	has_Checksum_ Manifest	0..1	File_Area_Checksum_ Manifest

Name: **Information_Package_Component**			*Version Id:* **1.1.0.0**
	has_Transfer_Manifest	0..1	File_Area_Transfer_Manifest
Referenced from: Product_AIP, Product_DIP, Product_DIP_Deep_Archive, Product_SIP			

Information_Package_Component_Deep_Archive

Name: **Information_Package_Component_Deep_Archive**			*Version Id:* **1.1.0.0**
*Description:*The Information Package Component Deep Archive class is an Information Package Component for the NASA planetary science deep archive.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Supplemental :: Information_Package_Component_Deep_Archive			
Attribute(s)	*Name*	*Cardinality*	*Value*
	manifest_checksum	1..1	None
	checksum_type	1..1	None
	manifest_url	1..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	has_manifest	1..1	File_Area_SIP_Deep_Archive
	internal_reference	1..1	Internal_Reference
Referenced from: Product_SIP_Deep_Archive			

Instrument

Name: **Instrument**			*Version Id:* **1.0.0.0**
*Description:*The Instrument class provides a description of a physical object that collects data.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Context :: Instrument			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	0..1	None
	type	1..Unbounded	Accelerometer, Alpha Particle Detector, Alpha Particle X-Ray Spectrometer, Altimeter, Anemometer, Atomic Force Microscope, Barometer, Biology Experiments, Bolometer, Camera, Cosmic Ray Detector, Drilling Tool, Dust Detector, Electrical Probe, Energetic Particle Detector, Gamma Ray Detector, Gas Analyzer, Grinding Tool, Hygrometer,

Name: **Instrument**			***Version Id:*** **1.0.0.0**
			Imager, Imaging Spectrometer, Inertial Measurement Unit, Infrared Spectrometer, Laser Induced Breakdown Spectrometer, Magnetometer, Mass Spectrometer, Microwave Spectrometer, Moessbauer Spectrometer, Naked Eye, Neutral Particle Detector, Neutron Detector, Photometer, Plasma Analyzer, Plasma Detector, Plasma Wave Spectrometer, Polarimeter, Radar, Radio Science, Radio Spectrometer, Radio Telescope, Radiometer, Reflectometer, Robotic Arm, Spectrograph Imager, Spectrometer, Thermal Imager, Thermal Probe, Thermometer, Ultraviolet Spectrometer, Wet Chemistry Laboratory, X-ray Detector, X-ray Diffraction Spectrometer, X-ray Fluorescence Spectrometer
	model_id	0..1	None
	naif_instrument_id	0..1	None
	serial_number	0..1	None
	description	1..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Physical_Object
Referenced from: Product_Context			

Instrument_Host

Name: **Instrument_Host**			***Version Id:*** **1.0.0.0**
*Description:*The Instrument Host class provides a description of the physical object upon which an instrument is mounted.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active

Name: **Instrument_Host**			***Version Id:*** **1.0.0.0**
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Context :: Instrument_Host			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	0..1	None
	instrument_host_ version_id	0..1	None
	version_id *Deprecated*	0..1	None
	type	1..1	Earth Based, Earth-based, Lander, Rover, Spacecraft
	naif_host_id	0..1	None
	serial_number	0..1	None
	description	1..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Physical_Object
Referenced from: Product_Context			

Internal_Reference

Name: **Internal_Reference**			***Version Id:*** **1.0.0.0**
*Description:*The Internal_Reference class is used to cross-reference other products in the PDS registry system.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: Internal_Reference			
Attribute(s)	*Name*	*Cardinality*	*Value*
	lid_reference	0..1	None
	lidvid_reference	0..1	None
	reference_type	1..1	None
	comment	0..1	None
No Associations			
Referenced from: DD_Attribute, DD_Class, Information_Package_Component, Information_ Package_Component_Deep_Archive, Investigation_Area, Observing_System_Component, Product_Zipped, Reference_List, Target_Identification, Update_Entry			

Inventory

Name: **Inventory**			***Version Id:*** **1.0.0.0**
*Description:*The Inventory class defines the inventory for members of a collection.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_Digital_Object :: Byte_Stream :: Parsable_Byte_Stream :: Table_ Delimited :: Inventory			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	0..1	None
	local_identifier	0..1	None

Name: **Inventory**			*Version Id:* **1.0.0.0**
	offset	1..1	None
	object_length	0..1	None
	parsing_standard_id	1..1	PDS DSV 1
	description	0..1	None
	records	1..1	None
	record_delimiter	1..1	Carriage-Return Line-Feed, carriage-return line-feed
	field_delimiter	1..1	Comma, Horizontal Tab, Semicolon, Vertical Bar, comma, horizontal tab, semicolon, vertical bar
	reference_type	1..1	inventory_has_member_product
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Digital_Object
	uniformly_sampled	0..1	Uniformly_Sampled
	has_delimited_record	1..1	Record_Delimited
Referenced from: File_Area_Inventory			

Investigation

Name: **Investigation**			*Version Id:* **1.0.0.0**
*Description:*The Investigation class provides a description of activities involved in the collection of data.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Context :: Investigation			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	0..1	None
	type	1..1	Individual Investigation, Mission, Observing Campaign, Other Investigation
	start_date	1..1	None
	stop_date	1..1	None
	description	1..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Conceptual_Object
Referenced from: Product_Context			

Investigation_Area

Name: **Investigation_Area**			***Version Id:*** **1.0.0.0**
*Description:*The Investigation_Area class provides information about an investigation (mission, observing campaign or other coordinated, large-scale data collection effort).			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: Investigation_Area			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	1..1	None
	type	1..1	Individual Investigation, Mission, Observing Campaign, Other Investigation
Association(s)	*Name*	*Cardinality*	*Class*
	internal_reference	1..Unbounded	Internal_Reference
Referenced from: Context_Area, Observation_Area			

Local_Internal_Reference

Name: **Local_Internal_Reference**			***Version Id:*** **1.0.0.0**
*Description:*The Local Internal_Reference class is used to cross-reference other Description Objects in a PDS4 label.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: Local_Internal_Reference			
Attribute(s)	*Name*	*Cardinality*	*Value*
	comment	0..1	None
	local_identifier_ reference	1..1	None
	local_reference_type	1..1	None
No Associations			
Referenced from: Display_Settings, Array, Array_1D *Deprecated*, Array_2D, Array_2D_Image, Array_2D_Map, Array_2D_Spectrum, Array_3D, Array_3D_Image, Array_3D_Movie, Array_ 3D_Spectrum			

Manifest_SIP_Deep_Archive

Name: **Manifest_SIP_Deep_Archive**			***Version Id:*** **1.0.0.0**
*Description:*The Manifest SIP Deep Archive class is a Table Delimited for the NASA planetary science deep archive's Submission Information Package (SIP).			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_Digital_Object :: Byte_Stream :: Parsable_Byte_Stream :: Table_ Delimited :: Manifest_SIP_Deep_Archive			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	0..1	None
	local_identifier	0..1	None

Name: **Manifest_SIP_Deep_Archive**			***Version Id:*** **1.0.0.0**
	offset	1..1	None
	object_length	0..1	None
	parsing_standard_id	1..1	PDS DSV 1
	description	0..1	None
	records	1..1	None
	record_delimiter	1..1	Carriage-Return Line-Feed, carriage-return line-feed
	field_delimiter	1..1	Comma, Horizontal Tab, Semicolon, Vertical Bar, comma, horizontal tab, semicolon, vertical bar
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Digital_Object
	uniformly_sampled	0..1	Uniformly_Sampled
	has_delimited_record	1..1	Record_Delimited
Referenced from: File_Area_SIP_Deep_Archive			

Mission_Area

Name: **Mission_Area**			***Version Id:*** **1.0.0.0**
*Description:*The mission area allows the insertion of mission specific metadata.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: Mission_Area			
No Attributes			
No Associations			
Referenced from: Context_Area, Observation_Area			

Modification_Detail

Name: **Modification_Detail**			***Version Id:*** **1.0.0.0**
*Description:*The Modification_Detail class provides the details of one round of modification for the product. The first, required, instance of this class documents the date the product was first registered.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: Modification_Detail			
Attribute(s)	*Name*	*Cardinality*	*Value*
	modification_date	1..1	None
	version_id	1..1	None
	description	1..1	None
No Associations			
Referenced from: Modification_History			

Modification_History

Name: **Modification_History**			***Version Id:*** **1.0.0.0**
*Description:*The Modification_History class tracks the history of changes made to the product once it enters the registry system.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: Modification_History			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	modification_detail	1..Unbounded	Modification_Detail
Referenced from: Identification_Area			

NSSDC

Name: **NSSDC**			***Version Id:*** **1.0.0.0**
*Description:*The NSSDC Information class provides identification information for data submitted to the NSSDC.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Child :: NSSDC			
Attribute(s)	*Name*	*Cardinality*	*Value*
	medium_type	1..1	None
	nssdc_collection_id	1..1	None
No Associations			
Referenced from: Data_Set_PDS3			

Node

Name: **Node**			***Version Id:*** **1.0.0.0**
*Description:*The Node class provides a description of an entity that provides local governance within the federated Planetary Data System.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Context :: Node			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	1..1	Engineering, Geosciences, Imaging, Management, Navigation and Ancillary Information Facility, Planetary Atmospheres, Planetary Plasma Interactions, Planetary Rings, Planetary Science Archive, Radio Science, Small Bodies
	institution_name	1..1	None
	description	1..1	None

Name: **Node**			***Version Id:*** **1.0.0.0**
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Conceptual_Object
Referenced from: Product_Context			

Object_Statistics

Name: **Object_Statistics**			***Version Id:*** **1.0.0.0**
*Description:*The Object Statistics class provides a set of values that provide metrics about the object.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Supplemental :: Object_Statistics			
Attribute(s)	*Name*	*Cardinality*	*Value*
	local_identifier	0..1	None
	maximum	0..1	None
	minimum	0..1	None
	mean	0..1	None
	standard_deviation	0..1	None
	bit_mask	0..1	None
	median	0..1	None
	md5_checksum	0..1	None
	maximum_scaled_ value	0..1	None
	minimum_scaled_value	0..1	None
	description	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Conceptual_Object
Referenced from: Array, Array_1D *Deprecated*, Array_2D, Array_2D_Image, Array_2D_Map, Array_2D_Spectrum, Array_3D, Array_3D_Image, Array_3D_Movie, Array_3D_Spectrum			

Observation_Area

Name: **Observation_Area**			***Version Id:*** **1.0.0.0**
*Description:*The observation area consists of attributes that provide information about the circumstances under which the data were collected.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: Context_Area :: Observation_Area			
Attribute(s)	*Name*	*Cardinality*	*Value*
	comment	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	has_time_coordinates	1..1	Time_Coordinates
	has_primary_result_ description	0..1	Primary_Result_ Summary
	has_investigation_area	1..Unbounded	Investigation_Area

Name: **Observation_Area**			***Version Id:*** **1.0.0.0**
	has_observing_system	1..Unbounded	Observing_System
	has_target_ identification	1..Unbounded	Target_Identification
	has_mission_area	0..1	Mission_Area
	has_discipline_area	0..1	Discipline_Area
Referenced from: Product_Observational			

Observing_System

Name: **Observing_System**			***Version Id:*** **1.0.0.0**
*Description:*The Observing System class describes the entire suite used to collect the data.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Context :: Observing_System			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	0..1	None
	description	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	observing_system_ component	1..Unbounded	Observing_System_ Component
	data_object	1..1	Conceptual_Object, Physical_Object
Referenced from: Context_Area, Observation_Area			

Observing_System_Component

Name: **Observing_System_Component**			***Version Id:*** **1.0.0.0**
*Description:*The Observing System Component class references one or more subsystems used to collect data. A subsystem can be an instrument_host, instrument, or any other similar product. Each subsystem is categorized as either a sensor or a source. If the observing system includes both a sensor and a source, Observing System Component occurs twice (once for each type) otherwise it only occurs once.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Child :: Observing_System_Component			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	1..1	None
	type	1..1	Artificial Illumination, Instrument, Laboratory, Literature Search, Naked Eye, Observatory, Spacecraft, Telescope
	description	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	internal_reference	0..1	Internal_Reference
	external_reference	0..Unbounded	External_Reference

Name: **Observing_System_Component**	*Version Id:* **1.0.0.0**
Referenced from: Observing_System	

Other

Name: **Other**			*Version Id:* **1.0.0.0**
*Description:*The Other class provides a description of activities involved in the collection of data which are not otherwise modeled.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Context :: Other			
Attribute(s)	*Name*	*Cardinality*	*Value*
	description	1..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Conceptual_Object
Referenced from: Product_Context			

PDS_Affiliate

Name: **PDS_Affiliate**			*Version Id:* **1.0.0.0**
*Description:*The PDS Affiliate class provides a description of a person who has an association with the planetary science community and has access to PDS resources not normally allowed to the general public.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Context :: PDS_Affiliate			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	0..1	None
	registration_date	1..1	None
	electronic_mail_ address	0..Unbounded	None
	sort_name	1..1	None
	affiliation_type	1..1	Affiliate, Data Provider, Manager, Technical Staff
	alternate_telephone_ number	0..1	None
	institution_name	1..1	None
	phone_book_flag	1..1	None
	postal_address_text	1..1	None
	team_name	0..Unbounded	Engineering, Geosciences, Headquarters, Imaging, Management, National Space Science Data Center, Navigation and Ancillary Information Facility, Planetary Atmospheres, Planetary

Name: **PDS_Affiliate**			***Version Id:*** **1.0.0.0**
			Plasma Interactions, Planetary Rings, Radio Science, Small Bodies
	telephone_number	0..1	None
	description	1..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Physical_Object
Referenced from: Product_Context			

PDS_Guest

Name: **PDS_Guest**			***Version Id:*** **1.0.0.0**
*Description:*The PDS_Guest class is the default description of a person who has an association with the planetary science community and who has the most limited access to PDS resources.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Context :: PDS_Guest			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	0..1	None
	registration_date	1..1	None
	electronic_mail_ address	0..Unbounded	None
	sort_name	1..1	None
	description	1..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Physical_Object
Referenced from: Product_Context			

Packed_Data_Fields

Name: **Packed_Data_Fields**			***Version Id:*** **1.0.0.0**
*Description:*The Packed_Data_Fields class contains field definitions for extracting packed data from the associated byte string field.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_Digital_Child :: Packed_Data_Fields			
Attribute(s)	*Name*	*Cardinality*	*Value*
	bit_fields	1..1	None
	description	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	has_Field_Bit	1..Unbounded	Field_Bit
Referenced from: Field_Binary			

Parsable_Byte_Stream

Name: **Parsable_Byte_Stream**			***Version Id:*** **1.0.0.0**
*Description:*The Parsable Byte Stream class defines byte streams that have standard parsing rules. The Parsable Byte Stream class is the parent class for all parsable byte streams.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_Digital_Object :: Byte_Stream :: Parsable_Byte_Stream			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	object_length	0..1	None
	parsing_standard_id	1..1	None
	description	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Digital_Object
Referenced from: File_Area_Observational_Supplemental			

Physical_Object

Name: **Physical_Object**			***Version Id:*** **1.0.0.0**
*Description:*The Physical Object class defines a tangible object.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Data_Object :: Physical_Object			
No Attributes			
No Associations			
Referenced from: Data_Set_PDS3, Facility, Instrument, Instrument_Host, Instrument_Host_ PDS3, Instrument_PDS3, Observing_System, PDS_Affiliate, PDS_Guest, Target, Target_PDS3, Volume_PDS3, Volume_Set_PDS3			

Primary_Result_Summary

Name: **Primary_Result_Summary**			***Version Id:*** **1.1.0.0**
*Description:*The Primary_Result_Summary class provides a high-level description of the types of products included in the collection or bundle			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: Primary_Result_Summary			
Attribute(s)	*Name*	*Cardinality*	*Value*
	type *Deprecated*	0..1	Altimetry, Astrometry, Count, E/B-Field Vectors, Gravity Model, Image, Lightcurves, Map, Meteorology, Null Result, Occultation, Photometry,

Name: **Primary_Result_Summary**			***Version Id:*** **1.1.0.0**
			Physical Parameters, Polarimetry, Radiometry, Reference, Shape Model, Spectrum
	purpose	1..1	Calibration, Checkout, Engineering, Navigation, Science
	data_regime *Deprecated*	0..Unbounded	Dust, Electric Field, Electrons, Far Infrared, Gamma Ray, Infrared, Ions, Magnetic Field, Microwave, Millimeter, Near Infrared, Particles, Pressure, Radio, Sub-Millimeter, Temperature, Ultraviolet, Visible, X-Ray
	processing_level	1..1	Calibrated, Derived, Partially Processed, Raw, Telemetry
	processing_level_id *Deprecated*	0..1	Calibrated, Derived, Partially Processed, Raw, Telemetry
	description	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	has_Science_Facet	0..Unbounded	Science_Facets
Referenced from: Context_Area, Observation_Area			

Product

Name: **Product**			***Version Id:*** **1.0.0.0**
*Description:*A Product is a uniquely identified object that is managed by a registry/repository. It consists of one or more tagged data objects.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	has_identification_area	1..1	Identification_Area
Referenced from: None			

Product_Components

Name: **Product_Components**			***Version Id:*** **1.0.0.0**
*Description:*The Product Component class is an abstract class for the components of the Product class.			
Namespace Id: pds	*Steward:* pds	*Role:* abstract	*Status:* Active
Class Hierarchy: Product_Components			

Name: **Product_Components**			*Version Id:* **1.0.0.0**
No Attributes			
No Associations			
Referenced from: None			

Property_Map

Name: **Property_Map**			*Version Id:* **1.0.0.0**
*Description:*The Property Map class defines a table consisting of a set of data elements and their values. The data elements in this table are considered to be locally defined and not subject to standards except for nomenclature rules.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Supplemental :: Property_Map			
Attribute(s)	*Name*	*Cardinality*	*Value*
	identifier	0..1	None
	title	0..1	None
	model_object_id	1..1	None
	model_object_type	1..1	None
	instance_id	0..Unbounded	None
	external_namespace_id	0..Unbounded	None
	description	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	has_Property_Map_Entry	1..Unbounded	Property_Map_Entry
Referenced from: Property_Maps			

Property_Map_Entry

Name: **Property_Map_Entry**			*Version Id:* **1.0.0.0**
*Description:*The property map entry consists of a property name and one or more values.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Supplemental :: Property_Map_Entry			
Attribute(s)	*Name*	*Cardinality*	*Value*
	property_name	1..1	None
	property_value	1..Unbounded	None
No Associations			
Referenced from: Property_Map			

Property_Maps

Name: **Property_Maps**			*Version Id:* **1.0.0.0**
*Description:*The Property Maps class defines a collection of one or more related Property Maps.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Supplemental :: Property_Maps			

Name: **Property_Maps**			***Version Id:*** **1.0.0.0**
Attribute(s)	*Name*	*Cardinality*	*Value*
	identifier	1..1	None
	title	0..1	None
	namespace_id	1..1	None
	description	0..1	None
	external_property_ map_id	0..Unbounded	None
Association(s)	*Name*	*Cardinality*	*Class*
	has_property_map	1..Unbounded	Property_Map
Referenced from: Ingest_LDD			

Quaternion

Name: **Quaternion**			***Version Id:*** **1.n.0.0**
*Description:*The Quaternion class models a mathematical construct that consists of four individual numeric components. Quaternions are a convenient mechanism for encapsulating orientation information since they require only four units of numeric storage, as opposed to the nine needed for a rotation matrix.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Supplemental :: Quaternion			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	1..1	None
	local_identifier	0..1	None
	type	1..1	SPICE, Spacecraft Telemetry
	description	1..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Conceptual_Object
	quaternion_component	4..4	Quaternion_ Component
Referenced from: None			

Quaternion_Component

Name: **Quaternion_Component**			***Version Id:*** **1.n.0.0**
*Description:*The Quaternion_Component class provides a component of a quaternion.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Child :: Quaternion_Component			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	0..1	None
	data_type	1..1	ASCII_Real
	value	1..1	None
	sequence_number	1..1	None

Name: **Quaternion_Component**			***Version Id:*** **1.n.0.0**
	description	0..1	None
No Associations			
Referenced from: Quaternion			

Record

Name: **Record**			***Version Id:*** **1.0.0.0**
*Description:*The Record class defines a record of a file and is the parent class of all specific record classes.			
Namespace Id: pds	*Steward:* pds	*Role:* abstract	*Status:* Active
Class Hierarchy: Tagged_Digital_Child :: Record			
Attribute(s)	*Name*	*Cardinality*	*Value*
	fields	1..1	None
	groups	1..1	None
No Associations			
Referenced from: None			

Record_Binary

Name: **Record_Binary**			***Version Id:*** **1.0.0.0**
*Description:*The Record_Binary class is a component of the table class and defines a record of the table.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_Digital_Child :: Record :: Record_Binary			
Attribute(s)	*Name*	*Cardinality*	*Value*
	fields	1..1	None
	groups	1..1	None
	record_length	1..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	has_Table_Field	1..Unbounded	Field_Binary, Group_Field_Binary
Referenced from: Table_Binary			

Record_Character

Name: **Record_Character**			***Version Id:*** **1.0.0.0**
*Description:*The Record_Character class is a component of the table class and defines a record of the table.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_Digital_Child :: Record :: Record_Character			
Attribute(s)	*Name*	*Cardinality*	*Value*
	fields	1..1	None
	groups	1..1	None

Name: **Record_Character**			***Version Id:*** **1.0.0.0**
	record_length	1..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	has_Character_Field	1..Unbounded	Field_Character, Group_Field_Character
Referenced from: Table_Character, Transfer_Manifest			

Record_Delimited

Name: **Record_Delimited**			***Version Id:*** **1.0.0.0**
*Description:*The Record_Delimited class is a component of the delimited table (spreadsheet) class and defines a record of the delimited table.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_Digital_Child :: Record :: Record_Delimited			
Attribute(s)	*Name*	*Cardinality*	*Value*
	fields	1..1	None
	groups	1..1	None
	maximum_record_length	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	has_Delimited_Field	1..Unbounded	Field_Delimited, Group_Field_Delimited
Referenced from: Inventory, Manifest_SIP_Deep_Archive, Table_Delimited			

Reference_List

Name: **Reference_List**			***Version Id:*** **1.0.0.0**
*Description:*The Reference_List class provides lists general references and cross-references for the product. References cited elsewhere in the label need not be repeated here.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: Reference_List			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	internal_reference	0..Unbounded	Internal_Reference
	external_reference	0..Unbounded	External_Reference
Referenced from: Product_AIP, Product_Attribute_Definition, Product_Browse, Product_Bundle, Product_Class_Definition, Product_Collection, Product_Context, Product_DIP, Product_DIP_Deep_Archive, Product_Data_Set_PDS3, Product_Document, Product_File_Repository, Product_File_Text, Product_Instrument_Host_PDS3, Product_Instrument_PDS3, Product_Mission_PDS3, Product_Native, Product_Observational, Product_Proxy_PDS3, Product_SIP, Product_SIP_Deep_Archive, Product_SPICE_Kernel, Product_Service, Product_Software, Product_Subscription_PDS3, Product_Target_PDS3, Product_Thumbnail, Product_Update, Product_Volume_PDS3, Product_Volume_Set_PDS3, Product_XML_Schema			

Resource

Name: **Resource**			***Version Id:*** **1.0.0.0**
*Description:*The Resource class provides a description of a web resource.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Context :: Resource			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	0..1	None
	type	1..1	Information.Agency, Information.Instrument, Information.Instrument_Host, Information.Investigation, Information.Node, Information.Person, Information.Resource, Information.Science_Portal, Information.Target, System.Browse, System.Directory_Listing, System.Registry_Query, System.Search, System.Transform, System.Transport
	url	1..1	None
	description	1..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Conceptual_Object
Referenced from: Product_Context			

SIP_Deep_Archive

Name: **SIP_Deep_Archive**			***Version Id:*** **1.n.0.0**
*Description:*The SIP Deep Archive class is a Submission Information Package (SIP) for the NASA planetary science deep archive.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Supplemental :: Information_Package :: SIP_Deep_Archive			
Attribute(s)	*Name*	*Cardinality*	*Value*
	description	1..1	None
	provider_site_id	1..1	None
No Associations			
Referenced from: Product_SIP_Deep_Archive			

SPICE_Kernel

Name: **SPICE_Kernel**			***Version Id:*** **1.0.0.0**
*Description:*The SPICE Kernel class describes a SPICE object.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_Digital_Object :: Byte_Stream :: Parsable_Byte_Stream :: SPICE_ Kernel			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	object_length	0..1	None
	parsing_standard_id	1..1	SPICE
	description	0..1	None
	kernel_type	1..1	CK, DBK, DSK, EK, FK, IK, LSK, MK, PCK, SCLK, SPK
	encoding_type	1..1	Binary, Character
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Digital_Object
Referenced from: File_Area_SPICE_Kernel			

Science_Facets

Name: **Science_Facets**			***Version Id:*** **1.1.0.0**
*Description:*The Science_Facets class contains the science-related search facets. It is optional and may be repeated if an product has facets related to, for example, two different disciplines (as defined by the discipline_name facet). Note that Science_Facets was modeled with Discipline_Facets as a component and Discipline_Facets was modeled with Group_Facet1 and Group_Facet2 as components. This dependency hierarchy was flattened and only Science_Facets exists in the schema.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: Science_Facets			
Attribute(s)	*Name*	*Cardinality*	*Value*
	wavelength_range	0..Unbounded	Far Infrared, Gamma Ray, Infrared, Microwave, Millimeter, Near Infrared, Radio, Submillimeter, Ultraviolet, Visible, X-ray
	domain	0..Unbounded	Atmosphere, Heliosphere, Interior, Interstellar, Ionosphere, Magnetosphere, Surface
Association(s)	*Name*	*Cardinality*	*Class*

Name: **Science_Facets**			*Version Id:* **1.1.0.0**
	has_Discipline_Facets	1..1	Discipline_Facets
Referenced from: Primary_Result_Summary			

Service_Description

Name: **Service_Description**			*Version Id:* **1.0.0.0**
*Description:*The Service Description class defines a file that contains a standardized service specification.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_Digital_Object :: Byte_Stream :: Parsable_Byte_Stream :: Service_ Description			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	object_length	0..1	None
	parsing_standard_id	1..1	WADL, WSDL 2.n
	description	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Digital_Object
Referenced from: File_Area_Service_Description			

Software

Name: **Software**			*Version Id:* **1.0.0.0**
*Description:*The Software class describes a software product			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Supplemental :: Software			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	1..1	None
	software_version_id	1..1	None
	version_id *Deprecated*	0..1	None
	author_list	0..1	None
	programmers_manual_ id	1..1	None
	software_id	1..1	None
	software_type	1..1	None
	users_manual_id	1..1	None
	description	1..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Digital_Object
Referenced from: Product_Software			

Software_Binary

Name: **Software_Binary**			***Version Id:*** **1.0.0.0**
*Description:*The Software Script class provides a description of a software code that is stored as a compiled binary file.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Supplemental :: Software_Binary			
Attribute(s)	*Name*	*Cardinality*	*Value*
	files	1..1	None
	os_version	1..Unbounded	None
	program_notes_id	1..1	None
	software_format_type	1..1	None
	supported_ architecture_note	1..Unbounded	None
	supported_operating_ system_note	1..Unbounded	None
	system_requirements_ note	1..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Digital_Object
Referenced from: Product_Software			

Software_Script

Name: **Software_Script**			***Version Id:*** **1.0.0.0**
*Description:*The Software Script class provides a description of a software code that is stored as a script.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Supplemental :: Software_Script			
Attribute(s)	*Name*	*Cardinality*	*Value*
	files	1..1	None
	install_note	1..1	None
	supported_ environment_note	1..1	None
	system_requirements_ note	1..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Digital_Object
Referenced from: Product_Software			

Software_Source

Name: **Software_Source**	***Version Id:*** **1.0.0.0**
*Description:*The Software Script class provides a description of a software code that is stored as source code.	

Name: **Software_Source**			***Version Id:*** **1.0.0.0**
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Supplemental :: Software_Source			
Attribute(s)	*Name*	*Cardinality*	*Value*
	compile_note	1..1	None
	files	1..1	None
	os_version	1..1	None
	program_notes_id	1..1	None
	software_dialect	1..1	None
	software_format_type	1..1	None
	software_language	1..1	None
	supported_ architecture_note	1..Unbounded	None
	supported_operating_ system_note	1..Unbounded	None
	system_requirements_ note	1..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Digital_Object
Referenced from: Product_Software			

Special_Constants

Name: **Special_Constants**			***Version Id:*** **1.0.0.0**
*Description:*The Special Constants class provides a set of values used to indicate special cases that occur in the data.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_Digital_Child :: Special_Constants			
Attribute(s)	*Name*	*Cardinality*	*Value*
	saturated_constant	0..1	None
	missing_constant	0..1	None
	error_constant	0..1	None
	invalid_constant	0..1	None
	unknown_constant	0..1	None
	not_applicable_ constant	0..1	None
	valid_maximum	0..1	None
	high_instrument_ saturation	0..1	None
	high_representation_ saturation	0..1	None
	valid_minimum	0..1	None
	low_instrument_ saturation	0..1	None

Name: **Special_Constants**			***Version Id:*** **1.0.0.0**
	low_representation_ saturation	0..1	None
No Associations			
Referenced from: Array, Array_1D *Deprecated*, Array_2D, Array_2D_Image, Array_2D_Map, Array_2D_Spectrum, Array_3D, Array_3D_Image, Array_3D_Movie, Array_3D_Spectrum, Field_Binary, Field_Bit, Field_Character, Field_Delimited			

Stream_Text

Name: **Stream_Text**			***Version Id:*** **1.0.0.0**
*Description:*The Stream text class defines a text object.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_Digital_Object :: Byte_Stream :: Parsable_Byte_Stream :: Stream_Text			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	object_length	0..1	None
	parsing_standard_id	1..1	None
	description	0..1	None
	record_delimiter	1..1	Carriage-Return Line-Feed, carriage-return line-feed
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Digital_Object
Referenced from: File_Area_Browse, File_Area_Observational, File_Area_Observational_ Supplemental, File_Area_Text			

Submission_Information_Package

Name: **Submission_Information_Package**			***Version Id:*** **1.1.0.0**
*Description:*The Submission Information Package (SIP) class is an Information Package that is delivered by a Data Provider to an archive that conforms to the Open Archive Information System (OAIS) Reference Model for use in the construction of one or more AIPs.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Supplemental :: Information_Package :: Submission_Information_Package			
Attribute(s)	*Name*	*Cardinality*	*Value*
	description	1..1	None
No Associations			
Referenced from: Product_SIP			

Symbolic_Literals_PDS

Name: **Symbolic_Literals_PDS**			***Version Id:*** **1.0.0.0**
*Description:*The Symbolic_Literals_PDS class is used to collect orphan attributes for the pds namespace. These attributes are members by default of the USER class but not members of any domain class.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Supplemental :: Symbolic_Literals_PDS			
Attribute(s)	*Name*	*Cardinality*	*Value*
	nil_reason	0..1	anticipated, inapplicable, missing, unknown
No Associations			
Referenced from: None			

TNDO_Context

Name: **TNDO_Context**			***Version Id:*** **1.0.0.0**
*Description:*The Tagged NonDigital Object (TNDO) Context class is an abstract class for the context class hierarchy.			
Namespace Id: pds	*Steward:* ops	*Role:* abstract	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Context			
No Attributes			
No Associations			
Referenced from: None			

TNDO_Supplemental

Name: **TNDO_Supplemental**			***Version Id:*** **1.0.0.0**
*Description:*The Tagged NonDigital Object (TNDO) Supplemental class is an abstract class for the supplemental class hierarchy.			
Namespace Id: pds	*Steward:* ops	*Role:* abstract	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Supplemental			
No Attributes			
No Associations			
Referenced from: None			

Table_Base

Name: **Table_Base**			***Version Id:*** **1.0.0.0**
*Description:*The Table Base class defines a heterogeneous repeating record of scalars. The Table Base class is the parent class for all heterogeneous repeating record of scalars.			
Namespace Id: pds	*Steward:* pds	*Role:* abstract	*Status:* Active
Class Hierarchy: Tagged_Digital_Object :: Byte_Stream :: Table_Base			
Attribute(s)	*Name*	*Cardinality*	*Value*

Name: **Table_Base**			***Version Id:*** **1.0.0.0**
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	records	1..1	None
	description	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Digital_Object
Referenced from: None			

Table_Binary

Name: **Table_Binary**			***Version Id:*** **1.0.0.0**
*Description:*The Table Binary class is an extension of table base and defines a simple binary table.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_Digital_Object :: Byte_Stream :: Table_Base :: Table_Binary			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	records	1..1	None
	description	0..1	None
	record_delimiter	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Digital_Object
	uniformly_sampled	0..1	Uniformly_Sampled
	has_Record	1..1	Record_Binary
Referenced from: File_Area_Browse, File_Area_Observational, File_Area_Observational_ Supplemental			

Table_Character

Name: **Table_Character**			***Version Id:*** **1.0.0.0**
*Description:*The Table Character class is an extension of table base and defines a simple character table.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_Digital_Object :: Byte_Stream :: Table_Base :: Table_Character			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	records	1..1	None
	description	0..1	None

Name: **Table_Character**			***Version Id:*** **1.0.0.0**
	record_delimiter	1..1	Carriage-Return Line-Feed, carriage-return line-feed
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Digital_Object
	uniformly_sampled	0..1	Uniformly_Sampled
	has_Record	1..1	Record_Character
Referenced from: File_Area_Browse, File_Area_Observational, File_Area_Observational_ Supplemental			

Table_Delimited

Name: **Table_Delimited**			***Version Id:*** **1.0.0.0**
*Description:*The Table_Delimited class defines a simple table (spreadsheet) with delimited fields and records.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_Digital_Object :: Byte_Stream :: Parsable_Byte_Stream :: Table_ Delimited			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	object_length	0..1	None
	parsing_standard_id	1..1	PDS DSV 1
	description	0..1	None
	records	1..1	None
	record_delimiter	1..1	Carriage-Return Line-Feed, carriage-return line-feed
	field_delimiter	1..1	Comma, Horizontal Tab, Semicolon, Vertical Bar, comma, horizontal tab, semicolon, vertical bar
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Digital_Object
	uniformly_sampled	0..1	Uniformly_Sampled
	has_delimited_record	1..1	Record_Delimited
Referenced from: File_Area_Browse, File_Area_Observational, File_Area_Observational_ Supplemental			

Tagged_Digital_Child

Name: **Tagged_Digital_Child**			***Version Id:*** **1.0.0.0**
*Description:*The Tagged Digital Child class is an abstract class for the components of classes in the tagged digital object class hierarchy.			
Namespace Id: pds	*Steward:* ops	*Role:* abstract	*Status:* Active
Class Hierarchy: Tagged_Digital_Child			
No Attributes			
No Associations			
Referenced from: None			

Tagged_Digital_Object

Name: **Tagged_Digital_Object**			***Version Id:*** **1.0.0.0**
*Description:*The Tagged Digital Object class is an abstract class for the digital class hierarchy. A tagged object is an information object.			
Namespace Id: pds	*Steward:* ops	*Role:* abstract	*Status:* Active
Class Hierarchy: Tagged_Digital_Object			
No Attributes			
No Associations			
Referenced from: None			

Tagged_NonDigital_Child

Name: **Tagged_NonDigital_Child**			***Version Id:*** **1.0.0.0**
*Description:*The Tagged NonDigital Child class is an abstract class for the components of classes in the tagged nondigital object class hierarchy.			
Namespace Id: pds	*Steward:* ops	*Role:* abstract	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Child			
No Attributes			
No Associations			
Referenced from: None			

Tagged_NonDigital_Object

Name: **Tagged_NonDigital_Object**			***Version Id:*** **1.0.0.0**
*Description:*The Tagged NonDigital Object class is an abstract class for the physical and conceptual class hierarchy. A tagged object is an information object.			
Namespace Id: pds	*Steward:* ops	*Role:* abstract	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object			
No Attributes			
No Associations			
Referenced from: None			

Target

Name: **Target**			***Version Id:*** **1.0.0.0**
*Description:*The Target class provides a description of a physical object that is the object of data collection.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Context :: Target			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	0..1	None
	type	0..Unbounded	Asteroid, Comet, Dust, Dwarf Planet, Galaxy, Globular Cluster, Meteorite, Meteoroid, Meteoroid Stream, Nebula, Open Cluster, Planet, Planetary Nebula, Planetary System, Plasma Cloud, Plasma Stream, Ring, Satellite, Star, Star Cluster, Sun, Terrestrial Sample, Trans-Neptunian Object
	description	1..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Physical_Object
Referenced from: Product_Context			

Target_Identification

Name: **Target_Identification**			***Version Id:*** **1.0.0.0**
*Description:*The Target_Identification class provides detailed target identification information.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: Target_Identification			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	1..1	None
	alternate_designation	0..Unbounded	None
	type	1..Unbounded	Asteroid, Calibration, Comet, Dust, Dwarf Planet, Galaxy, Globular Cluster, Meteorite, Meteoroid, Meteoroid Stream, Nebula, Open Cluster, Planet, Planetary Nebula, Planetary System, Plasma Cloud, Plasma Stream, Ring, Satellite, Star, Star

Name: **Target_Identification**			***Version Id:*** **1.0.0.0**
			Cluster, Sun, Terrestrial Sample, Trans-Neptunian Object
	description	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	internal_reference	0..1	Internal_Reference
Referenced from: Context_Area, Observation_Area			

Telescope

Name: **Telescope**			***Version Id:*** **1.0.0.0**
*Description:*The Telescope class provides coordinates and parameters for terrestrial, ground-based telescopes.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Context :: Telescope			
Attribute(s)	*Name*	*Cardinality*	*Value*
	aperture	1..1	None
	telescope_longitude	0..1	None
	telescope_latitude	0..1	None
	altitude	1..1	None
	coordinate_source	1..1	Aerial Survey - North American (1983) Datum, Astronomical, Doppler determined - WGS 72 Datum, Geodetic - Adindan Datum, Geodetic - Australian Datum, Geodetic - Campo Inchauspe (Argentina) Datum, Geodetic - Cape (South Africa) Datum, Geodetic - Corregio Alegre (Brazil) Datum, Geodetic - Datum Unknown, Geodetic - European 1979 Datum, Geodetic - European Datum, Geodetic - GRS 80 Datum, Geodetic - Hermannskogel Datum, Geodetic - Indian Datum, Geodetic - La Canoa (Venezuela) Datum, Geodetic - New Zealand Datum, Geodetic - North American (1927) Datum, Geodetic - Old Hawaiian Datum,

Name: **Telescope**			***Version Id:*** **1.0.0.0**
			Geodetic - Ordnance Survey of Great Britain (1936) Datum, Geodetic - Ordnance Survey of Great Britain (SN) 1980 Datum, Geodetic - Potsdam Datum, Geodetic - Puerto Rican (1940) Datum, Geodetic - South American Datum, Geodetic - Tokyo Datum, Geodetic - WGS 84 Datum, Satellite Determined - Datum Unknown, Unknown
	description	0..1	None
No Associations			
Referenced from: Product_Context			

Terminological_Entry

Name: **Terminological_Entry**			***Version Id:*** **1.0.0.0**
*Description:*The terminological_entry class provides the name (designation) and definition of the attribute in a specified natural language.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Child :: Terminological_Entry			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	1..1	None
	definition	1..1	None
	language	1..1	English, Russian
	preferred_flag	1..1	None
	instance_id	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	source	0..Unbounded	External_Reference_Extended
Referenced from: DD_Attribute, DD_Attribute_Full, DD_Class, DD_Class_Full, DD_Permissible_Value, DD_Permissible_Value_Full			

Time_Coordinates

Name: **Time_Coordinates**			***Version Id:*** **1.0.0.0**
*Description:*The Time_Coordinates class provides a list of time coordinates.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: Time_Coordinates			
Attribute(s)	*Name*	*Cardinality*	*Value*

Name: **Time_Coordinates**			***Version Id:*** **1.0.0.0**
	start_date_time	1..1	None
	stop_date_time	1..1	None
	local_mean_solar_time	0..1	None
	local_true_solar_time	0..1	None
	solar_longitude	0..1	None
No Associations			
Referenced from: Context_Area, Observation_Area			

Transfer_Manifest

Name: **Transfer_Manifest**			***Version Id:*** **1.0.0.0**
*Description:*The Transfer_Manifest class defines a table that maps product LIDVIDs to the file_specificaition_names of the products' XML label files.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_Digital_Object :: Byte_Stream :: Table_Base :: Table_Character :: Transfer_Manifest			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	records	1..1	None
	description	0..1	None
	record_delimiter	1..1	Carriage-Return Line-Feed, carriage-return line-feed
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Digital_Object
	uniformly_sampled	0..1	Uniformly_Sampled
	has_Record	1..1	Record_Character
Referenced from: File_Area_Transfer_Manifest			

Uniformly_Sampled

Name: **Uniformly_Sampled**			***Version Id:*** **1.0.0.0**
*Description:*The Uniformly_Sampled class provides parameters for a uniformly sampled table.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_Digital_Child :: Uniformly_Sampled			
Attribute(s)	*Name*	*Cardinality*	*Value*
	sampling_parameter_name	1..1	None
	sampling_parameter_interval	1..1	None
	sampling_parameter_unit	1..1	None

Name: **Uniformly_Sampled**			***Version Id:*** **1.0.0.0**
	first_sampling_ parameter_value	1..1	None
	last_sampling_ parameter_value	1..1	None
	sampling_parameter_ scale	0..1	Exponential, Linear, Logarithmic
No Associations			
Referenced from: Inventory, Manifest_SIP_Deep_Archive, Table_Binary, Table_Character, Table_ Delimited, Transfer_Manifest			

Update

Name: **Update**			***Version Id:*** **1.0.0.0**
*Description:*The Update class consists of update information.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Supplemental :: Update			
Attribute(s)	*Name*	*Cardinality*	*Value*
	local_identifier	0..1	None
	description	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Conceptual_Object
	update_entry	1..Unbounded	Update_Entry
Referenced from: Product_Update			

Update_Entry

Name: **Update_Entry**			***Version Id:*** **1.0.0.0**
*Description:*The Update Entry class provides the date and description of an update.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: Update_Entry			
Attribute(s)	*Name*	*Cardinality*	*Value*
	date_time	1..1	None
	full_name	1..1	None
	description	1..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	internal_reference	0..1	Internal_Reference
Referenced from: Update			

Vector

Name: **Vector**			***Version Id:*** **1.0.0.0**
*Description:*The Vector class provides the components of either a velocity or position vector.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active

Name: **Vector**			***Version Id:*** **1.0.0.0**
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Supplemental :: Vector			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	1..1	None
	local_identifier	0..1	None
	type	1..1	Acceleration, Pointing, Position, Velocity
	data_type	1..1	ASCII_Real
	reference_frame_id	1..1	ICRF, MOON_ME_ DE421
	vector_components	1..1	None
	description	1..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Conceptual_Object
	vector_component	1..Unbounded	Vector_Component
Referenced from: Geometry			

Vector_Cartesian_3

Name: **Vector_Cartesian_3**			***Version Id:*** **1.0.0.0**
*Description:*The Vector_Cartesian_3_Base class is the parent class of 3 element Cartesian vectors.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Supplemental :: Vector_Cartesian_3			
Attribute(s)	*Name*	*Cardinality*	*Value*
	reference_frame_id	1..1	ICRF, MOON_ME_ DE421
	x	1..1	None
	y	1..1	None
	z	1..1	None
No Associations			
Referenced from: None			

Vector_Cartesian_3_Acceleration

Name: **Vector_Cartesian_3_Acceleration**			***Version Id:*** **1.0.0.0**
*Description:*The Vector_Cartesian_3_Acceleration class is a 3 element Cartesian vector for acceleration coordinates.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Supplemental :: Vector_Cartesian_3 :: Vector_Cartesian_3_Acceleration			
Attribute(s)	*Name*	*Cardinality*	*Value*
	reference_frame_id	1..1	ICRF, MOON_ME_ DE421
	x	1..1	None

Name: **Vector_Cartesian_3_Acceleration**			*Version Id:* **1.0.0.0**
	y	1..1	None
	z	1..1	None
No Associations			
Referenced from: None			

Vector_Cartesian_3_Pointing

Name: **Vector_Cartesian_3_Pointing**			*Version Id:* **1.0.0.0**
*Description:*The Vector_Cartesian_3_Pointing class is a 3 element normalized Cartesian vector for pointing.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Supplemental :: Vector_Cartesian_3 :: Vector_Cartesian_3_Pointing			
Attribute(s)	*Name*	*Cardinality*	*Value*
	reference_frame_id	1..1	ICRF, MOON_ME_ DE421
	x	1..1	None
	y	1..1	None
	z	1..1	None
No Associations			
Referenced from: None			

Vector_Cartesian_3_Position

Name: **Vector_Cartesian_3_Position**			*Version Id:* **1.0.0.0**
*Description:*The Vector_Cartesian_3_Position class is a 3 element Cartesian vector for position coordinates.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Supplemental :: Vector_Cartesian_3 :: Vector_Cartesian_3_Position			
Attribute(s)	*Name*	*Cardinality*	*Value*
	reference_frame_id	1..1	ICRF, MOON_ME_ DE421
	x	1..1	None
	y	1..1	None
	z	1..1	None
No Associations			
Referenced from: None			

Vector_Cartesian_3_Velocity

Name: **Vector_Cartesian_3_Velocity**	*Version Id:* **1.0.0.0**
*Description:*The Vector_Cartesian_3_Velocity class is a 3 element Cartesian vector for velocity coordinates.	

Name: **Vector_Cartesian_3_Velocity**			***Version Id:*** **1.0.0.0**
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Supplemental :: Vector_Cartesian_3 :: Vector_Cartesian_3_Velocity			
Attribute(s)	*Name*	*Cardinality*	*Value*
	reference_frame_id	1..1	ICRF, MOON_ME_DE421
	x	1..1	None
	y	1..1	None
	z	1..1	None
No Associations			
Referenced from: None			

Vector_Component

Name: **Vector_Component**			***Version Id:*** **1.0.0.0**
*Description:*The Vector_Component class provides a component of a vector.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Child :: Vector_Component			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	0..1	None
	unit	0..1	None
	value	1..1	None
	sequence_number	1..1	None
	description	0..1	None
No Associations			
Referenced from: Vector			

XML_Schema

Name: **XML_Schema**			***Version Id:*** **1.0.0.0**
*Description:*The XML Schema class defines a resource used for the PDS4 implementation into XML.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_Digital_Object :: Byte_Stream :: Parsable_Byte_Stream :: XML_Schema			
Attribute(s)	*Name*	*Cardinality*	*Value*
	name	0..1	None
	local_identifier	0..1	None
	offset	1..1	None
	object_length	0..1	None
	parsing_standard_id	1..1	Schematron ISO/IEC 19757-3:2006, XML Schema Version 1.1

Name: **XML_Schema**			***Version Id:*** **1.0.0.0**
	description	0..1	None
	ldd_version_id	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Digital_Object
Referenced from: File_Area_XML_Schema			

Zip

Name: **Zip**			***Version Id:*** **1.0.0.0**
*Description:*The Zip class describes a zip file.			
Namespace Id: pds	*Steward:* pds	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Supplemental :: Zip			
Attribute(s)	*Name*	*Cardinality*	*Value*
	container_type	1..1	GZIP, LZIP, TAR, ZIP
	description	1..1	None
No Associations			
Referenced from: Product_Zipped			

Chapter 4. PDS3 catalog classes in the common (pds) namespace.

These classes are used to archive PDS3 catalog information.

Data_Set_PDS3

Name: **Data_Set_PDS3**			***Version Id:*** **1.0.0.0**
*Description:*The Data Set PDS3 class is used to capture the data set information from the PDS3 Data Set Catalog.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Context_PDS3 :: Data_Set_PDS3			
Attribute(s)	*Name*	*Cardinality*	*Value*
	data_set_id	1..1	None
	data_set_name	1..1	None
	data_set_release_date	1..1	None
	start_time	0..1	None
	start_date_time *Deprecated*	0..1	None
	stop_time	0..1	None
	stop_date_time *Deprecated*	0..1	None
	producer_full_name	1..1	None
	citation_text	1..1	None
	data_set_terse_desc	1..1	None
	abstract_desc	1..1	None
	data_set_desc	1..1	None
	confidence_level_note	1..1	None
	archive_status	1..1	ARCHIVED, ARCHIVED_ ACCUMULATING, IN_LIEN_ RESOLUTION, IN_ LIEN_RESOLUTION_ ACCUMULATING, IN_PEER_REVIEW, IN_PEER_REVIEW_ ACCUMULATING, IN_QUEUE, IN_QUEUE_ ACCUMULATING, LOCALLY_ ARCHIVED, LOCALLY_ ARCHIVED_ ACCUMULATING, PRE_PEER_ REVIEW, PRE_

Name: **Data_Set_PDS3**			***Version Id:*** **1.0.0.0**
			PEER_REVIEW_ ACCUMULATING, SAFED, SUPERSEDED
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Conceptual_Object, Physical_Object
	nssdc	0..Unbounded	NSSDC
Referenced from: Product_Data_Set_PDS3			

Instrument_Host_PDS3

Name: **Instrument_Host_PDS3**			***Version Id:*** **1.0.0.0**
*Description:*The Instrument Host class provides a description of the phyiscal object upon which an instrument is mounted. This class captures the PDS3 catalog Instrument Host information.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Context_PDS3 :: Instrument_Host_PDS3			
Attribute(s)	*Name*	*Cardinality*	*Value*
	instrument_host_name	1..1	None
	instrument_host_desc	1..1	None
	instrument_host_id	1..1	None
	instrument_host_type	1..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Physical_Object
Referenced from: Product_Instrument_Host_PDS3			

Instrument_PDS3

Name: **Instrument_PDS3**			***Version Id:*** **1.0.0.0**
*Description:*The Instrument class provides a description of a phyiscal object that collects data. This class captures the PDS3 catalog Instrument information.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Context_PDS3 :: Instrument_PDS3			
Attribute(s)	*Name*	*Cardinality*	*Value*
	instrument_name	1..1	None
	instrument_desc	1..1	None
	instrument_id	1..1	None
	instrument_serial_ number	1..1	None
	instrument_type	1..1	None
	instrument_version_id	1..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Physical_Object
Referenced from: Product_Instrument_PDS3			

Mission_PDS3

Name: **Mission_PDS3**			***Version Id:*** **1.0.0.0**
*Description:*The Mission PDS3 class describes an activity involved in the collection of data. This class captures the PDS3 catalog Mission information.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Context_PDS3 :: Mission_PDS3			
Attribute(s)	*Name*	*Cardinality*	*Value*
	mission_name	1..1	None
	mission_desc	1..1	None
	mission_objectives_ summary	1..1	None
	mission_start_date	1..1	None
	mission_stop_date	1..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Conceptual_Object
Referenced from: Product_Mission_PDS3			

Subscriber_PDS3

Name: **Subscriber_PDS3**			***Version Id:*** **1.0.0.0**
*Description:*The Subscriber PDS3 class provides the name of the subscriber and their subscription list.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Context_PDS3 :: Subscriber_PDS3			
Attribute(s)	*Name*	*Cardinality*	*Value*
	full_name	1..1	None
	local_identifier	0..1	None
	subscription_id	1..Unbounded	None
No Associations			
Referenced from: Product_Subscription_PDS3			

TNDO_Context_PDS3

Name: **TNDO_Context_PDS3**			***Version Id:*** **1.0.0.0**
*Description:*The Tagged NonDigital Object (TNDO) Context PDS3 class is an abstract class for the PDS3 context class hierarchy.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Context_PDS3			
No Attributes			
No Associations			
Referenced from: None			

Target_PDS3

Name: **Target_PDS3**			***Version Id:*** **1.0.0.0**
*Description:*The Target class provides a description of a phyiscal object that is the object of data collection. This class captures the PDS3 catalog Target information.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Context_PDS3 :: Target_PDS3			
Attribute(s)	*Name*	*Cardinality*	*Value*
	target_name	1..1	None
	orbit_direction	0..Unbounded	None
	primary_body_name	1..1	None
	rotation_direction	0..1	None
	target_desc	1..1	None
	target_type	1..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Physical_Object
Referenced from: Product_Target_PDS3			

Volume_PDS3

Name: **Volume_PDS3**			***Version Id:*** **1.0.0.0**
*Description:*The Volume_PDS3 class is used to capture the volume information from the PDS3 Data Set Catalog.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Context_PDS3 :: Volume_PDS3			
Attribute(s)	*Name*	*Cardinality*	*Value*
	archive_status	1..1	ARCHIVED, ARCHIVED_ ACCUMULATING, IN_LIEN_ RESOLUTION, IN_ LIEN_RESOLUTION_ ACCUMULATING, IN_PEER_REVIEW, IN_PEER_REVIEW_ ACCUMULATING, IN_QUEUE, IN_QUEUE_ ACCUMULATING, LOCALLY_ ARCHIVED, LOCALLY_ ARCHIVED_ ACCUMULATING, PRE_PEER_ REVIEW, PRE_ PEER_REVIEW_ ACCUMULATING,

Name: **Volume_PDS3**			***Version Id:*** **1.0.0.0**
			SAFED, SUPERSEDED
	archive_status_note	1..1	None
	curating_node_id	0..Unbounded	None
	medium_type	1..1	None
	publication_date	1..1	None
	volume_de_fullname	1..1	None
	volume_format	1..1	None
	volume_id	1..1	None
	volume_name	1..1	None
	volume_set_id	1..1	None
	volume_size	1..1	None
	volume_version_id	1..1	None
	description	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Conceptual_Object, Physical_Object
Referenced from: Product_Volume_PDS3			

Volume_Set_PDS3

Name: **Volume_Set_PDS3**			***Version Id:*** **1.0.0.0**
*Description:*The Volume_Set_PDS3 class is used to capture the volume set information from the PDS3 Data Set Catalog.			
Namespace Id: pds	*Steward:* ops	*Role:* concrete	*Status:* Active
Class Hierarchy: Tagged_NonDigital_Object :: TNDO_Context_PDS3 :: Volume_Set_PDS3			
Attribute(s)	*Name*	*Cardinality*	*Value*
	volume_series_name	1..1	None
	volume_set_id	1..1	None
	volume_set_name	1..1	None
	volumes	1..1	None
	description	0..1	None
Association(s)	*Name*	*Cardinality*	*Class*
	data_object	1..1	Conceptual_Object, Physical_Object
Referenced from: Product_Volume_Set_PDS3			

Chapter 5. Classes in the Rings discipline namespace.

These classes have been defined for the Rings science discipline and can be used in the label's discipline area.

Radio_Occultation

Name: **Radio_Occultation**			***Version Id:*** **1.1.0.0**
*Description:*This class is required for all radio ring occultations			
Namespace Id: rings	*Steward:* rings	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: Radio_Occultation			
Attribute(s)	*Name*	*Cardinality*	*Value*
	ring_observation_id	1..1	None
	orbit_number	0..Unbounded	None
	SCLK_start_time	0..1	None
	SCLK_stop_time	0..1	None
	occultation_type	1..1	Radio, Solar, Stellar
	dsn_station_number	1..1	None
	source_pds3_id	0..Unbounded	None
	frequency_band	1..1	C, D, E, F, G, H, K, Ka, Ku, Q, R, S, U, V, W, X, Y
	ring_occultation_direction	1..1	Both, Egress, Ingress, Multiple
	ring_profile_direction	1..1	Egress, Ingress, Multiple
	planetary_occultation_flag	0..1	N, Y
	wavelength	0..1	None
	minimum_wavelength	0..1	None
	reference_time_utc	1..1	None
	maximum_wavelength	0..1	None
	radial_resolution	1..1	None
	radial_sampling_interval	0..1	None
	minimum_radial_sampling_interval	0..1	None
	maximum_radial_sampling_interval	0..1	None
	observed_event_start_tdb	0..1	None
	observed_event_stop_tdb	0..1	None

Name: **Radio_Occultation**			***Version Id:*** **1.1.0.0**
	spacecraft_event_start_time_utc	1..1	None
	spacecraft_event_stop_time_utc	1..1	None
	ring_event_start_time_utc	0..1	None
	ring_event_stop_time_utc	0..1	None
	ring_event_start_tdb	0..1	None
	ring_event_stop_tdb	0..1	None
	earth_received_start_time_utc	0..1	None
	earth_received_stop_time_utc	0..1	None
	minimum_ring_radius	1..1	None
	maximum_ring_radius	1..1	None
	minimum_ring_longitude	1..1	None
	maximum_ring_longitude	1..1	None
	minimum_observed_ring_azimuth	1..1	None
	maximum_observed_ring_azimuth	1..1	None
	observed_ring_elevation	0..1	None
	minimum_observed_ring_elevation	0..1	None
	maximum_observed_ring_elevation	0..1	None
	light_source_incidence_angle	0..1	None
	minimum_light_source_incidence_angle	0..1	None
	maximum_light_source_incidence_angle	0..1	None
	lowest_detectable_opacity	0..1	None
	highest_detectable_opacity	0..1	None
	along_track_timing_offset	0..1	None
No Associations			
Referenced from: None			

Radio_Occultation_Support

Name: **Radio_Occultation_Support**			***Version Id:*** **1.1.0.0**
*Description:*This class is required for all radio ring occultation calibration and geometry supplemental files.			
Namespace Id: rings	*Steward:* rings	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: Radio_Occultation_Support			
Attribute(s)	*Name*	*Cardinality*	*Value*
	ring_observation_id	1..1	None
	orbit_number	0..Unbounded	None
	spice_filename	0..Unbounded	None
	occultation_type	1..1	Radio, Solar, Stellar
	dsn_station_number	1..1	None
	frequency_band	1..1	C, D, E, F, G, H, K, Ka, Ku, Q, R, S, U, V, W, X, Y
	ring_occultation_direction	1..1	Both, Egress, Ingress, Multiple
	ring_profile_direction	1..1	Egress, Ingress, Multiple
	planetary_occultation_flag	0..1	N, Y
	sampling_parameter_name	1..1	None
	sampling_parameter_unit	1..1	None
	sampling_parameter_interval	1..1	None
	reference_time_utc	1..1	None
	minimum_observed_event_time	1..1	None
	maximum_observed_event_time	1..1	None
No Associations			
Referenced from: None			

Rings_Supplement

Name: **Rings_Supplement**			***Version Id:*** **1.1.0.0**
*Description:*This class is required for all Rings Node currated data products			
Namespace Id: rings	*Steward:* rings	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: Rings_Supplement			
Attribute(s)	*Name*	*Cardinality*	*Value*
	ring_observation_id	1..1	None
	source_pds3_id	0..Unbounded	None

Name: **Rings_Supplement**			***Version Id:*** **1.1.0.0**
No Associations			
Referenced from: None			

Stellar_Occultation

Name: **Stellar_Occultation**			***Version Id:*** **1.1.0.0**
*Description:*This class is required for all stellar ring occultations			
Namespace Id: rings	*Steward:* rings	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: Stellar_Occultation			
Attribute(s)	*Name*	*Cardinality*	*Value*
	ring_observation_id	1..1	None
	orbit_number	0..Unbounded	None
	SCLK_start_time	0..1	None
	SCLK_stop_time	0..1	None
	occultation_type	1..1	Radio, Solar, Stellar
	source_pds3_id	0..Unbounded	None
	ring_occultation_ direction	1..1	Both, Egress, Ingress, Multiple
	star_name	1..1	None
	ring_profile_direction	1..1	Egress, Ingress, Multiple
	planetary_occultation_ flag	0..1	N, Y
	wavelength	0..1	None
	minimum_wavelength	0..1	None
	maximum_wavelength	0..1	None
	radial_resolution	1..1	None
	radial_sampling_ interval	0..1	None
	minimum_radial_ sampling_interval	0..1	None
	maximum_radial_ sampling_interval	0..1	None
	observed_event_start_ tdb	0..1	None
	observed_event_stop_ tdb	0..1	None
	ring_event_start_time_ utc	0..1	None
	ring_event_stop_time_ utc	0..1	None
	ring_event_start_tdb	0..1	None
	ring_event_stop_tdb	0..1	None
	minimum_ring_radius	1..1	None

Name: **Stellar_Occultation**			***Version Id:*** **1.1.0.0**
	maximum_ring_radius	1..1	None
	sub_stellar_ring_ azimuth	0..1	None
	minimum_ring_ longitude	1..1	None
	sub_stellar_clock_ angle	0..1	None
	maximum_ring_ longitude	1..1	None
	minimum_observed_ ring_azimuth	1..1	None
	maximum_observed_ ring_azimuth	1..1	None
	observed_ring_ elevation	0..1	None
	minimum_observed_ ring_elevation	0..1	None
	maximum_observed_ ring_elevation	0..1	None
	light_source_ incidence_angle	0..1	None
	lowest_detectable_ opacity	0..1	None
	highest_detectable_ opacity	0..1	None
No Associations			
Referenced from: None			

Chapter 6. Classes in the Imaging discipline namespace.

These classes have been defined for the Imaging science discipline and can be used in the label's discipline area.

Telemetry_Parameters

Name: **Telemetry_Parameters**			***Version Id:*** **1.0.0.0**
*Description:*The Telemetry_Parameters class contains downlink-related attributes used primarily during mission operations.			
Namespace Id: img	*Steward:* img	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: Telemetry_Parameters			
Attribute(s)	*Name*	*Cardinality*	*Value*
	application_process_id	0..1	None
	application_process_name	0..1	None
	earth_received_start_date_time	0..1	None
	earth_received_stop_date_time	0..1	None
	expected_packets	0..1	None
	packet_map_mask	0..1	None
	received_packets	0..1	None
	spice_file_name	0..1	None
	telemetry_format_id	0..1	None
	telemetry_provider_id	0..1	None
	telemetry_source_name	0..1	None
	telemetry_source_type	0..1	DATA_PRODUCT, SFDU
No Associations			
Referenced from: None			

Chapter 7. Classes in the Display namespace.

This dictionary describes how to display Array data on a display device.

Color_Display_Settings

Name: **Color_Display_Settings**			***Version Id:*** **1.0.0.0**
*Description:*The Color_Display_Settings class provides guidance to data users on how to display a multi-banded Array object on a color-capable display device.			
Namespace Id: disp	*Steward:* img	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: Color_Display_Settings			
Attribute(s)	*Name*	*Cardinality*	*Value*
	color_display_axis	1..1	None
	comment	0..1	None
	red_channel_band	1..1	None
	green_channel_band	1..1	None
	blue_channel_band	1..1	None
No Associations			
Referenced from: Display_Settings			

Display_Direction

Name: **Display_Direction**			***Version Id:*** **1.0.0.0**
*Description:*The Display_Direction class specifies how two of the dimensions of an Array object should be displayed in the vertical (line) and horizontal (sample) dimensions of a display device.			
Namespace Id: disp	*Steward:* img	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: Display_Direction			
Attribute(s)	*Name*	*Cardinality*	*Value*
	comment	0..1	None
	horizontal_display_axis	1..1	None
	horizontal_display_ direction	1..1	Left to Right, Right to Left
	vertical_display_axis	1..1	None
	vertical_display_ direction	1..1	Bottom to Top, Top to Bottom
No Associations			
Referenced from: Display_Settings			

Display_Settings

Name: **Display_Settings**	***Version Id:*** **1.0.0.0**
*Description:*The Display_Settings class contains one or more classes describing how data should be displayed on a display device.	

Name: **Display_Settings**			***Version Id:*** **1.0.0.0**
Namespace Id: disp	*Steward:* img	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: Display_Settings			
No Attributes			
Association(s)	*Name*	*Cardinality*	*Class*
	local_internal_ reference	1..1	Local_Internal_ Reference
	has_display_direction	1..1	Display_Direction
	has_color_display_ settings	0..1	Color_Display_Settings
	has_movie_display_ settings	0..1	Movie_Display_ Settings
Referenced from: None			

Movie_Display_Settings

Name: **Movie_Display_Settings**			***Version Id:*** **1.0.0.0**
*Description:*The Movie_Display_Settings class provides default values for the display of a multi-banded Array using a software application capable of displaying video content.			
Namespace Id: disp	*Steward:* img	*Role:* concrete	*Status:* Active
Class Hierarchy: Product_Components :: Movie_Display_Settings			
Attribute(s)	*Name*	*Cardinality*	*Value*
	time_display_axis	1..1	None
	comment	0..1	None
	frame_rate	0..1	None
	loop_flag	0..1	false, true
	loop_count	0..1	None
	loop_delay	0..1	None
	loop_back_and_forth_ flag	0..1	false, true
No Associations			
Referenced from: Display_Settings			

Chapter 8. Attributes in the common (pds) namespace.

These attributes are used by the classes in the common (pds) namespace.

abstract_desc in Data_Set_PDS3

Name: **abstract_desc**			***Version Id:*** **1.0.0.0**
Description: The abstract desc attribute provides a summary of a text, scientific article, or document.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Data_Set_PDS3	*Type:* ASCII_Text_Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

abstract_flag in DD_Class

Name: **abstract_flag**			***Version Id:*** **1.0.0.0**
Description: The abstract flag attribute indicates whether or not the class can be instantiated. Abstract flag is only included if a value of 'true' is desired and indicates that the class is abstract and cannot be used in a label.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_Class	*Type:* ASCII_Boolean
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Flag	*Conceptual Domain:* Boolean
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

abstract_flag in DD_Class_Full

Name: **abstract_flag**			***Version Id:*** **1.0.0.0**
Description: The abstract flag attribute indicates whether or not the class can be instantiated. Abstract flag is only included if a value of 'true' is desired and indicates that the class is abstract and cannot be used in a label.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_Class_Full	*Type:* ASCII_Boolean
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Flag	*Conceptual Domain:* Boolean
Status: Active	*Nillable:* false	*Pattern:* None	

Name: **abstract_flag**			***Version Id:*** **1.0.0.0**
Permissible Value(s)	*No Values*		

acknowledgement_text in Document

Name: **acknowledgement_text**			***Version Id:*** **1.0.0.0**
Description: The acknowledgement_text attribute is a character string which recognizes another's contribution, authority, or right.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Document	*Type:* ASCII_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Text	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

address in Facility

Name: **address**			***Version Id:*** **1.0.0.0**
Description: The address attribute provides a mailing address.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Facility	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Address	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

affiliation_type in PDS_Affiliate

Name: **affiliation_type**			***Version Id:*** **1.0.0.0**
Description: The affiliation type attribute describes the type of relationship an individual has with the PDS. Individuals with PDS affiliations are generally listed in the PDS Phone Book.			
Namespace Id: pds	*Steward:* ops	*Class Name:* PDS_ Affiliate	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Affiliate	The individual has a relationship with PDS that is more substantial than 'none' or 'data user'and is not described by one of the other enumerated values	

Name: **affiliation_type**			***Version Id:*** **1.0.0.0**
	Data Provider	The individual prepares and/or delivers data to PDS	
	Manager	The individual is a manager within PDS	
	Technical Staff	The individual works for PDS in a technical capacity.	

alternate_designation in Target_Identification

Name: **alternate_designation**			***Version Id:*** **1.0.0.0**
Description: The alternate_designation attribute provides aliases.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Target_ Identification	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

alternate_id in Alias

Name: **alternate_id**			***Version Id:*** **1.0.0.0**
Description: The alternate_id attribute provides an additional identifier supplied by the data provider.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Alias	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

alternate_telephone_number in PDS_Affiliate

Name: **alternate_telephone_number**			***Version Id:*** **1.0.0.0**
Description: The telephone_number attribute provides a telephone number in international notation in compliance with the E.164 telephone number format recommendation.			
Namespace Id: pds	*Steward:* ops	*Class Name:* PDS_ Affiliate	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Number	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

alternate_title in Alias

Name: **alternate_title**			***Version Id:*** **1.0.0.0**
Description: The alternate _title attribute provides an alternate title for the product.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Alias	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Title	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

altitude in Telescope

Name: **altitude**			***Version Id:*** **1.0.0.0**
Description: The altitude attribute provides the height of anything above a given reference plane.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Telescope	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Length	*Default Unit Id:* m	*Attribute Concept:* Number	*Conceptual Domain:* Real
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

aperture in Telescope

Name: **aperture**			***Version Id:*** **1.0.0.0**
Description: The aperture attribute provides the diameter of an opening, usually circular, that limits the quantity of light that can enter an optical instrument.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Telescope	*Type:* ASCII_Real
Minimum Value: 0	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Length	*Default Unit Id:* m	*Attribute Concept:* Number	*Conceptual Domain:* Real
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

archive_status in Data_Set_PDS3

Name: **archive_status**	***Version Id:*** **1.0.0.0**
Description: The ARCHIVE_STATUS attribute indicates the stage to which a data set has progressed in the archiving process, from IN QUEUE through ARCHIVED. It can also take on the values SUPERSEDED or SAFED, which indicate that the data set is not part of the active archive. ACCUMULATING can be appended to some values to indicate that the data set is incomplete and/ or that not all components have reached the stage given by the root value; ACCUMULATING	

Name: **archive_status**			***Version Id:*** **1.0.0.0**
would be used, for example, when the archive is being delivered incrementally, as from a mission that lasts many months or years.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Data_Set_PDS3	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Status	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	ARCHIVED	Archive status of the PDS3 data set is ARCHIVED (passed peer review with all liens resolved. Available through the Data Set Catalog and at NSSDC).	
	ARCHIVED_ACCUMULATING	Archive status of the PDS3 data set is ARCHIVED_ACCUMULATING (some parts of the data set are ARCHIVED, but other parts are in earlier stages of the archiving process and/or have not yet been delivered to PDS; use with caution).	
	IN_LIEN_RESOLUTION	Archive status of the PDS3 data set is IN_LIEN_RESOLUTION (peer review completed; liens are in the process of being resolved; use with caution).	
	IN_LIEN_RESOLUTION_ACCUMULATING	Archive status of the PDS3 data set is IN_LIEN_RESOLUTION_ACCUMULATING (some parts of the data set are IN LIEN RESOLUTION, but other parts are in earlier stages of the archiving process and/or have not yet been delivered to PDS; use with caution).	
	IN_PEER_REVIEW	Archive status of the PDS3 data set is IN_PEER_REVIEW (under peer review at the curation node but evaluation is not complete; use with caution).	
	IN_PEER_REVIEW_ACCUMULATING	Archive status of the PDS3 data set is IN_PEER_REVIEW_ACCUMULATING (some parts of the data set are IN PEER REVIEW, but other parts are in earlier stages of the archiving process and/or have not yet been delivered to PDS; use with caution).	
	IN_QUEUE	Archive status of the PDS3 data set is IN_QUEUE (received at the curation node but no action has been taken by the curation node; use with caution).	
	IN_QUEUE_ACCUMULATING	Archive status of the PDS3 data set is IN_QUEUE_ACCUMULATING (some parts of the data set are IN QUEUE, but other parts have not yet been delivered to PDS; use with caution).	
	LOCALLY_ARCHIVED	Archive status of the PDS3 data set is LOCALLY_ARCHIVED (passed peer review with all liens resolved; considered archived by	

Name: **archive_status**			***Version Id:*** **1.0.0.0**
		the curation node but awaiting completion of the standard archiving process; possible TBD items include the arrival of the archive volume at NSSDC and ingestion of catalog information into the Data Set Catalog).	
	LOCALLY_ ARCHIVED_ ACCUMULATING	Archive status of the PDS3 data set is LOCALLY_ARCHIVED_ACCUMULATING (some parts of the data set are LOCALLY ARCHIVED, but other parts are in earlier stages of the archiving process and/or have not yet been delivered to PDS; use with caution).	
	PRE_PEER_REVIEW	Archive status of the PDS3 data set is PRE_PEER_REVIEW (being prepared for peer review under the direction of the curation node; use with caution).'	
	PRE_PEER_ REVIEW_ ACCUMULATING	Archive status of the PDS3 data set is PRE_PEER_REVIEW_ACCUMULATING (some parts of the data set are in PRE PEER REVIEW, but other parts are IN QUEUE and/ or have not yet been delivered to PDS; use with caution).	
	SAFED	Archive status of the PDS3 data set is SAFED (the data set has been received by the PDS with no evaluation; data will not be formally archived).	
	SUPERSEDED	Archive status of the PDS3 data set is SUPERSEDED (this data set has been replaced by a newer version, implying that the data set is not to be used unless the requester has specific reasons; when a data set has been superseded the Engineering Node, will notify NSSDC that their databases need to be updated to advise users of the new status and the location of the replacement data set).	

archive_status in Volume_PDS3

Name: **archive_status**			***Version Id:*** **1.0.0.0**
Description: The ARCHIVE_STATUS attribute indicates the stage to which a data set has progressed in the archiving process, from IN QUEUE through ARCHIVED. It can also take on the values SUPERSEDED or SAFED, which indicate that the data set is not part of the active archive. ACCUMULATING can be appended to some values to indicate that the data set is incomplete and/ or that not all components have reached the stage given by the root value; ACCUMULATING would be used, for example, when the archive is being delivered incrementally, as from a mission that lasts many months or years.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Volume_ PDS3	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Status	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	

Name: **archive_status**		***Version Id:*** **1.0.0.0**
Permissible Value(s)	*Value*	*Value Meaning*
	ARCHIVED	Archive status of the PDS3 volume is ARCHIVED (passed peer review with all liens resolved. Available through the Data Set Catalog and at NSSDC).
	ARCHIVED_ ACCUMULATING	Archive status of the PDS3 volume is ARCHIVED_ACCUMULATING (some parts of the volume are ARCHIVED, but other parts are in earlier stages of the archiving process and/ or have not yet been delivered to PDS; use with caution).
	IN_LIEN_ RESOLUTION	Archive status of the PDS3 volume is IN_LIEN_RESOLUTION (peer review completed; liens are in the process of being resolved; use with caution).
	IN_LIEN_ RESOLUTION_ ACCUMULATING	Archive status of the PDS3 volume is IN_LIEN_RESOLUTION_ACCUMULATING (some parts of the volume are IN LIEN RESOLUTION, but other parts are in earlier stages of the archiving process and/or have not yet been delivered to PDS; use with caution).
	IN_PEER_REVIEW	Archive status of the PDS3 volume is IN_PEER_REVIEW (under peer review at the curation node but evaluation is not complete; use with caution).
	IN_PEER_REVIEW_ ACCUMULATING	Archive status of the PDS3 volume is IN_PEER_REVIEW_ACCUMULATING (some parts of the volume are IN PEER REVIEW, but other parts are in earlier stages of the archiving process and/or have not yet been delivered to PDS; use with caution).
	IN_QUEUE	Archive status of the PDS3 volume is IN_QUEUE (received at the curation node but no action has been taken by the curation node; use with caution).
	IN_QUEUE_ ACCUMULATING	Archive status of the PDS3 volume is IN_QUEUE_ACCUMULATING (some parts of the volume are IN QUEUE, but other parts have not yet been delivered to PDS; use with caution).
	LOCALLY_ ARCHIVED	Archive status of the PDS3 volume is LOCALLY_ARCHIVED (passed peer review with all liens resolved; considered archived by the curation node but awaiting completion of the standard archiving process; possible TBD items include the arrival of the archive volume at NSSDC and ingestion of catalog information into the Data Set Catalog).
	LOCALLY_ ARCHIVED_ ACCUMULATING	Archive status of the PDS3 volume is LOCALLY_ARCHIVED_ACCUMULATING (some parts of the volume are LOCALLY ARCHIVED, but other parts are in earlier stages

Name: **archive_status**			***Version Id:*** **1.0.0.0**
		of the archiving process and/or have not yet been delivered to PDS; use with caution).	
	PRE_PEER_REVIEW	Archive status of the PDS3 volume is PRE_PEER_REVIEW (being prepared for peer review under the direction of the curation node; use with caution).	
	PRE_PEER_ REVIEW_ ACCUMULATING	Archive status of the PDS3 volume is PRE_PEER_REVIEW_ACCUMULATING (some parts of the volume are in PRE PEER REVIEW, but other parts are IN QUEUE and/ or have not yet been delivered to PDS; use with caution).	
	SAFED	Archive status of the PDS3 volume is SAFED (the volume has been received by the PDS with no evaluation; data will not be formally archived).	
	SUPERSEDED	Archive status of the PDS3 volume is SUPERSEDED (this volume has been replaced by a newer version, implying that the volume is not to be used unless the requester has specific reasons; when a volume has been superseded the Engineering Node, will notify NSSDC that their databases need to be updated to advise users of the new status and the location of the replacement volume).	

archive_status_note in Volume_PDS3

Name: **archive_status_note**			***Version Id:*** **1.0.0.0**
Description: The archive status note attribute provides a comment about the archive status.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Volume_ PDS3	*Type:* ASCII_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Note	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

attribute_concept in DD_Attribute_Full

Name: **attribute_concept**			***Version Id:*** **1.0.0.0**
Description: The attribute_concept attribute provides the type of information (classification) conveyed by the attribute -- e.g., stop_date_time has attribute_concept = date_time.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Attribute_Full	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None

Name: **attribute_concept**			***Version Id:*** **1.0.0.0**
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Address	The attribute has been classified as being an Address	
	Angle	The attribute has been classified as being an Angle	
	Attribute	The attribute has been classified as being an Attribute	
	Bit	The attribute has been classified as being a Bit	
	Checksum	The attribute has been classified as being a Checksum	
	Collection	The attribute has been classified as being a Collection	
	Constant	The attribute has been classified as being a Constant	
	Cosine	The attribute has been classified as being a Cosine	
	Count	The attribute has been classified as being a Count	
	DOI	The attribute has been classified as being a DOI	
	Delimiter	The attribute has been classified as being a Delimiter	
	Description	The attribute has been classified as being a Description	
	Deviation	The attribute has been classified as being a Deviation	
	Direction	The attribute has been classified as being a Direction	
	Distance	The attribute has been classified as being a Distance	
	Duration	The attribute has been classified as being a Duration	
	Factor	The attribute has been classified as being a Factor	
	Flag	The attribute has been classified as being a Flag	
	Format	The attribute has been classified as being a Format	
	Group	The attribute has been classified as being a Group	
	Home	The attribute has been classified as being a Home	
	ID	The attribute has been classified as being an Identifier	
	Latitude	The attribute has been classified as being a Latitude	

Name: **attribute_concept**			***Version Id:*** **1.0.0.0**
	Length	The attribute has been classified as being a Length	
	List	The attribute has been classified as being a List	
	Location	The attribute has been classified as being a Location	
	Logical	The attribute has been classified as being a Logical	
	Longitude	The attribute has been classified as being a Longitude	
	Mask	The attribute has been classified as being a Mask	
	Maximum	The attribute has been classified as being a Maximum	
	Mean	The attribute has been classified as being a Mean	
	Median	The attribute has been classified as being a Median	
	Minimum	The attribute has been classified as being a Minimum	
	Name	The attribute has been classified as being a Name	
	Note	The attribute has been classified as being a Note	
	Number	The attribute has been classified as being a Number	
	Offset	The attribute has been classified as being an Offset	
	Order	The attribute has been classified as being an Order	
	Parallel	The attribute has been classified as being a Parallel	
	Password	The attribute has been classified as being a Password	
	Path	The attribute has been classified as being a Path	
	Pattern	The attribute has been classified as being a Pattern	
	Pixel	The attribute has been classified as being a Pixel	
	Quaternion	The attribute has been classified as being a Quaternion	
	Radius	The attribute has been classified as being a Radius	
	Ratio	The attribute has been classified as being a Ratio	
	Reference	The attribute has been classified as being a Reference	
	Resolution	The attribute has been classified as being a Resolution	
	Role	The attribute has been classified as being a Role	
	Rotation	The attribute has been classified as being a Rotation	

Name: **attribute_concept**			***Version Id:*** **1.0.0.0**
	Scale	The attribute has been classified as being a Scale	
	Sequence	The attribute has been classified as being a Sequence	
	Set	The attribute has been classified as being a Set	
	Size	The attribute has been classified as being a Size	
	Status	The attribute has been classified as being a Status	
	Summary	The attribute has been classified as being a Summary	
	Syntax	The attribute has been classified as being a Syntax	
	Temperature	The attribute has been classified as being a Temperature	
	Text	The attribute has been classified as being a Text	
	Title	The attribute has been classified as being a Title	
	Type	The attribute has been classified as being a Type	
	Unit	The attribute has been classified as being a Unit	
	Unknown	The attribute has an Unknown classification	
	Value	The attribute has been classified as being a Value	
	Vector	The attribute has been classified as being a Vector	

author_list in Citation_Information

Name: **author_list**			***Version Id:*** **1.0.0.0**
Description: The author_list attribute provides a list of people to be cited as the authors of the asssociated product. Lists are constructed with last names first and first and middle names and/or initials following. Initials are terminated by periods and delimited by single spaces. Suffixes (if applicable) follow everything else, after a final comma. Hyphenated names may be reduced to initials as "J.-P." Each person's full name is separated from the next by a semi-colon. There is no "and" before the last name. If there is no author list, editor_list must be present and non-null.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Citation_Information	*Type:* UTF8_Text_Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* List	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

author_list in Document

Name: **author_list**	***Version Id:*** **1.0.0.0**
Description: The author_list attribute provides a list of people to be cited as the authors of the asssociated product. Lists are constructed with last names first and first and middle names and/	

Name: **author_list**			***Version Id:*** **1.0.0.0**
or initials following. Initials are terminated by periods and delimited by single spaces. Suffixes (if applicable) follow everything else, after a final comma. Hyphenated names may be reduced to initials as "J.-P." Each person's full name is separated from the next by a semi-colon. There is no "and" before the last name. If there is no author list, editor_list must be present and non-null.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Document	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* List	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

author_list in Software

Name: **author_list**			***Version Id:*** **1.0.0.0**
Description: The author_list attribute provides a list of people to be cited as the authors of the asssociated product. Lists are constructed with last names first and first and middle names and/ or initials following. Initials are terminated by periods and delimited by single spaces. Suffixes (if applicable) follow everything else, after a final comma. Hyphenated names may be reduced to initials as "J.-P." Each person's full name is separated from the next by a semi-colon. There is no "and" before the last name. If there is no author list, editor_list must be present and non-null.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Software	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* List	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

axes in Array

Name: **axes**			***Version Id:*** **1.0.0.0**
Description: The axes attribute provides a count of the axes.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Array	*Type:* ASCII_Integer
Minimum Value: 1	*Maximum Value:* 16	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

axes in Array_1D *Deprecated*

Name: **axes**	***Version Id:*** **1.0.0.0**
Description: The axes attribute provides a count of the axes.	

Name: **axes**			***Version Id:*** **1.0.0.0**
Namespace Id: pds	*Steward:* pds	*Class Name:* Array_1D *Deprecated*	*Type:* ASCII_Integer
Minimum Value: 1	*Maximum Value:* 16	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	1	Array_1D has 1 axis	

axes in Array_2D

Name: **axes**			***Version Id:*** **1.0.0.0**
Description: The axes attribute provides a count of the axes.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Array_2D	*Type:* ASCII_Integer
Minimum Value: 1	*Maximum Value:* 16	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	2	Array_2D has 2 axes	

axes in Array_3D

Name: **axes**			***Version Id:*** **1.0.0.0**
Description: The axes attribute provides a count of the axes.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Array_3D	*Type:* ASCII_Integer
Minimum Value: 1	*Maximum Value:* 16	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	3	Array_3D has 3 axes	

axis_index_order in Array

Name: **axis_index_order**			***Version Id:*** **1.0.0.0**
Description: The axis_index_order attribute provides the axis index that varies fastest with respect to storage order.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Array	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None

Name: **axis_index_order**			***Version Id:*** **1.0.0.0**
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Order	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Last Index Fastest	The values of a multi-dimensional array are stored in an order such that the last index changes fastest and the first index slowest.	

axis_name in Axis_Array

Name: **axis_name**			***Version Id:*** **1.0.0.0**
Description: The axis_name attribute provides a word or combination of words by which the axis is known.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Axis_ Array	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

band_number in Band_Bin *Deprecated*

Name: **band_number**			***Version Id:*** **1.0.0.0**
Description: The band_number attribute provides a number corresponding to the band in the spectral qube. The band number is equivalent to the instrument band number.			
Namespace Id: pds	*Steward:* img	*Class Name:* Band_Bin *Deprecated*	*Type:* ASCII_Integer
Minimum Value: 1	*Maximum Value:* 512	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Number	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

band_width in Band_Bin *Deprecated*

Name: **band_width**			***Version Id:*** **1.0.0.0**
Description: The band_width attributes provides the width, at half height, of the band.			
Namespace Id: pds	*Steward:* img	*Class Name:* Band_Bin *Deprecated*	*Type:* ASCII_Real
Minimum Value: 0	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Length	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Real

Name: **band_width**			***Version Id:*** **1.0.0.0**
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

bit_fields in Packed_Data_Fields

Name: **bit_fields**			***Version Id:*** **1.0.0.0**
Description: The bit_fields attribute provides the number of defined bit fields (Field_Bit definitions) within the Packed_Data_Field.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Packed_ Data_Fields	*Type:* ASCII_Integer
Minimum Value: 1	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

bit_mask in Object_Statistics

Name: **bit_mask**			***Version Id:*** **1.0.0.0**
Description: The bit_mask attribute is a series of binary digits identifying the active bits in a value; it has exactly the same number of the bits as the array element to which it is applied.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Object_ Statistics	*Type:* ASCII_Numeric_ Base2
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Mask	*Conceptual Domain:* Numeric
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

bit_string in Digital_Object

Name: **bit_string**			***Version Id:*** **1.0.0.0**
Description: The bit string attribute is a sequence of digital bits. It is the content of a digital object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Digital_ Object	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

bundle_type in Bundle

Name: **bundle_type**			***Version Id:*** **1.0.0.0**
Description: The bundle_type attribute provides a classification for the bundle.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Bundle	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Archive	The Bundle contains at least one data collection	
	Supplemental	The Bundle does not contain a data collection	

center_wavelength in Band_Bin *Deprecated*

Name: **center_wavelength**			***Version Id:*** **1.0.0.0**
Description: The center_wavelength attribute provides the wavelength or frequency describing the center of a bin along the band axis of a spectral qube. When describing data from a spectrometer, the value corresponds to the peak of the response function for a particular detector and/or grating position.			
Namespace Id: pds	*Steward:* img	*Class Name:* Band_Bin *Deprecated*	*Type:* ASCII_Real
Minimum Value: 0	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Length	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Real
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

character_constraint in ASCII_AnyURI

Name: **character_constraint**			***Version Id:*** **1.0.0.0**
Description: The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_AnyURI	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	ASCII	Values of ASCII_AnyURI must be ASCII.	

character_constraint in ASCII_DOI

Name: **character_constraint**			***Version Id:*** **1.0.0.0**
Description: The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ DOI	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	ASCII	Values of ASCII_DOI must be ASCII	

character_constraint in ASCII_Date *Deprecated*

Name: **character_constraint**			***Version Id:*** **1.0.0.0**
Description: The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ Date *Deprecated*	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	ASCII	Values of ASCII_Date must be ASCII	

character_constraint in ASCII_Date_DOY

Name: **character_constraint**			***Version Id:*** **1.0.0.0**
Description: The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ Date_DOY	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	ASCII	Values of ASCII_Date_DOY must be ASCII	

character_constraint in ASCII_Date_Time *Deprecated*

Name: **character_constraint**			***Version Id:*** **1.0.0.0**
Description: The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Date_Time *Deprecated*	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	ASCII	Values of ASCII_Date_Time must be ASCII	

character_constraint in ASCII_Date_Time_DOY

Name: **character_constraint**			***Version Id:*** **1.0.0.0**
Description: The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Date_Time_DOY	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	ASCII	Values of ASCII_Date_Time_DOY must be ASCII	

character_constraint in ASCII_Date_Time_DOY_UTC

Name: **character_constraint**			***Version Id:*** **1.0.0.0**
Description: The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Date_Time_DOY_UTC	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None

Name: **character_constraint**			***Version Id:*** **1.0.0.0**
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	ASCII	Values of ASCII_Date_Time_DOY_UTC must be ASCII	

character_constraint in ASCII_Date_Time_ UTC *Deprecated*

Name: **character_constraint**			***Version Id:*** **1.0.0.0**
Description: The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ Date_Time_UTC *Deprecated*	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	ASCII	Values of ASCII_Date_Time_UTC must be ASCII	

character_constraint in ASCII_Date_Time_ YMD

Name: **character_constraint**			***Version Id:*** **1.0.0.0**
Description: The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ Date_Time_YMD	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	ASCII	Values of ASCII_Date_Time_YMD must be ASCII	

character_constraint in ASCII_Date_Time_ YMD_UTC

Name: **character_constraint**	***Version Id:*** **1.0.0.0**
Description: The character_constraint attribute limits the characters allowed.	

Name: **character_constraint**			***Version Id:*** **1.0.0.0**
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Date_Time_YMD_UTC	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	ASCII	Values of ASCII_Date_Time_YMD_UTC must be ASCII	

character_constraint in ASCII_Date_YMD

Name: **character_constraint**			***Version Id:*** **1.0.0.0**
Description: The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Date_YMD	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	ASCII	Values of ASCII_Date_YMD must be ASCII	

character_constraint in ASCII_Directory_Path_Name

Name: **character_constraint**			***Version Id:*** **1.0.0.0**
Description: The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Directory_Path_Name	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	ASCII	Values of ASCII_Directory_Path_Name must be ASCII	

character_constraint in ASCII_File_Name

Name: **character_constraint**			***Version Id:*** **1.0.0.0**
Description: The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ File_Name	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	ASCII	Values of ASCII_File_Name must be ASCII	

character_constraint in ASCII_File_ Specification_Name

Name: **character_constraint**			***Version Id:*** **1.0.0.0**
Description: The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ File_Specification_ Name	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	ASCII	Values of ASCII_File_Specification_Name must be ASCII	

character_constraint in ASCII_Integer

Name: **character_constraint**			***Version Id:*** **1.0.0.0**
Description: The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ Integer	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

character_constraint in ASCII_LID

Name: **character_constraint**			***Version Id:*** **1.0.0.0**
Description: The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_LID	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	ASCII	Values of ASCII_LID must be ASCII	

character_constraint in ASCII_LIDVID

Name: **character_constraint**			***Version Id:*** **1.0.0.0**
Description: The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_LIDVID	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	ASCII	Values of ASCII_LIDVID must be ASCII	

character_constraint in ASCII_LIDVID_LID

Name: **character_constraint**			***Version Id:*** **1.0.0.0**
Description: The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_LIDVID_LID	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	ASCII	Values of ASCII_LIDVID_LID must be ASCII	

character_constraint in ASCII_MD5_Checksum

Name: **character_constraint**			***Version Id:*** **1.0.0.0**
Description: The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_MD5_Checksum	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	ASCII	Values of ASCII_MD5_Checksum must be ASCII	

character_constraint in ASCII_NonNegative_Integer

Name: **character_constraint**			***Version Id:*** **1.0.0.0**
Description: The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_NonNegative_Integer	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

character_constraint in ASCII_Numeric_Base16

Name: **character_constraint**			***Version Id:*** **1.0.0.0**
Description: The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Numeric_Base16	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

character_constraint in ASCII_Numeric_Base2

Name: **character_constraint**			***Version Id:*** **1.0.0.0**
Description: The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Numeric_Base2	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	ASCII	Values of ASCII_Numeric_Base2 must be ASCII	

character_constraint in ASCII_Numeric_Base8

Name: **character_constraint**			***Version Id:*** **1.0.0.0**
Description: The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Numeric_Base8	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	ASCII	Values of ASCII_Numeric_Base8 must be ASCII	

character_constraint in ASCII_Real

Name: **character_constraint**			***Version Id:*** **1.0.0.0**
Description: The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Real	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

character_constraint in ASCII_Short_String_Collapsed

Name: **character_constraint**			***Version Id:*** **1.0.0.0**
Description: The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Short_String_Collapsed	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	ASCII	Values of ASCII_Short_String_Collapsed must be ASCII	

character_constraint in ASCII_Short_String_Preserved

Name: **character_constraint**			***Version Id:*** **1.0.0.0**
Description: The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Short_String_Preserved	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	ASCII	Values of ASCII_Short_String_Preserved must be ASCII	

character_constraint in ASCII_String

Name: **character_constraint**			***Version Id:*** **1.0.0.0**
Description: The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_String	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	ASCII	Values of ASCII_String must be ASCII	

character_constraint in ASCII_Text_Collapsed

Name: **character_constraint**			***Version Id:*** **1.0.0.0**
Description: The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Text_Collapsed	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	ASCII	Values of ASCII_Text_Collapsed must be ASCII	

character_constraint in ASCII_Text_Preserved

Name: **character_constraint**			***Version Id:*** **1.0.0.0**
Description: The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Text_Preserved	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	ASCII	Values of ASCII_Text_Preserved must be ASCII	

character_constraint in ASCII_Time

Name: **character_constraint**			***Version Id:*** **1.0.0.0**
Description: The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Time	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	ASCII	Values of ASCII_Time must be ASCII	

character_constraint in ASCII_VID

Name: **character_constraint**			***Version Id:*** **1.0.0.0**
Description: The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_VID	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	ASCII	Values of ASCII_VID must be ASCII	

character_constraint in Character_Data_Type

Name: **character_constraint**			***Version Id:*** **1.0.0.0**
Description: The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Character_Data_Type	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

character_constraint in UTF8_Short_String_Collapsed

Name: **character_constraint**			***Version Id:*** **1.0.0.0**
Description: The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	*Steward:* pds	*Class Name:* UTF8_Short_String_Collapsed	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

character_constraint in UTF8_Short_String_Preserved

Name: **character_constraint**			***Version Id:*** **1.0.0.0**
Description: The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	*Steward:* pds	*Class Name:* UTF8_Short_String_Preserved	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

character_constraint in UTF8_Text_Preserved

Name: **character_constraint**			***Version Id:*** **1.0.0.0**
Description: The character_constraint attribute limits the characters allowed.			
Namespace Id: pds	*Steward:* pds	*Class Name:* UTF8_Text_Preserved	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

character_encoding in ASCII_AnyURI

Name: **character_encoding**			***Version Id:*** **1.0.0.0**
Description: The character_encoding attribute identifies the standard that maps a set of allowed characters to their machine readable code.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_AnyURI	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	UTF-8	Values of ASCII_AnyURI have UTF-8 character encoding.	

character_encoding in Character_Data_Type

Name: **character_encoding**			***Version Id:*** **1.0.0.0**
Description: The character_encoding attribute identifies the standard that maps a set of allowed characters to their machine readable code.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Character_Data_Type	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	UTF-8	Values of Character_Data_Type have UTF-8 character encoding	

checksum_manifest_checksum in Information_Package_Component

Name: **checksum_manifest_checksum**			***Version Id:*** **1.0.0.0**
Description: The checksum manifest checksum provides the checksum for the checksum manifest file.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Information_Package_Component	*Type:* ASCII_MD5_Checksum
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Checksum	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

checksum_type in Information_Package_Component

Name: **checksum_type**			***Version Id:*** **1.0.0.0**
Description: The checksum type attribute provides the name of the checksum algorithm used to calculate the checksum value.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Information_Package_Component	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	

Name: **checksum_type**			***Version Id:*** **1.0.0.0**
Permissible Value(s)	*No Values*		

checksum_type in Information_Package_Component_Deep_Archive

Name: **checksum_type**			***Version Id:*** **1.0.0.0**
Description: The checksum type attribute provides the name of the checksum algorithm used to calculate the checksum value.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Information_Package_Component_Deep_Archive	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

citation_text in Data_Set_PDS3

Name: **citation_text**			***Version Id:*** **1.0.0.0**
Description: The citation_text attribute provides a character string containing a literature or other citation in sufficient detail that the material could be located in PDS or elsewhere.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Data_Set_PDS3	*Type:* ASCII_Text_Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Text	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

class_name in DD_Attribute_Full

Name: **class_name**			***Version Id:*** **1.0.0.0**
Description: The class_name attribute provides the common name by which the class is identified, as well as the class within which the attribute is used.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_Attribute_Full	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

collection_type in Collection

Name: **collection_type**			***Version Id:*** **1.0.0.0**
Description: The collection_type attribute provides a classification for the collection.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Collection	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Browse	This is a BROWSE collection	
	Calibration	This is a CALIBRATION collection	
	Context	This is a CONTEXT collection	
	Data	This is a DATA collection	
	Document	This is a DOCUMENT collection	
	Geometry	This is a GEOMETRY collection	
	Miscellaneous	This is a MISCELLANEOUS collection	
	SPICE Kernel	This is a SPICE Kernel collection	
	XML Schema	This is an XML SCHEMA collection	

comment in Alias

Name: **comment**			***Version Id:*** **1.0.0.0**
Description: The comment attribute is a character string expressing one or more remarks or thoughts relevant to the object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Alias	*Type:* ASCII_Text_Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

comment in Color_Display_Settings

Name: **comment**			***Version Id:*** **1.0.0.0**
Description: The comment attribute is a character string expressing one or more remarks or thoughts relevant to the object.			
Namespace Id: pds	*Steward:* img	*Class Name:* Color_Display_Settings	*Type:* ASCII_Text_Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None

Name: **comment**			***Version Id:*** **1.0.0.0**
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

comment in Context_Area

Name: **comment**			***Version Id:*** **1.0.0.0**
Description: The comment attribute is a character string expressing one or more remarks or thoughts relevant to the object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Context_ Area	*Type:* ASCII_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

comment in DD_Attribute

Name: **comment**			***Version Id:*** **1.0.0.0**
Description: The comment attribute is a character string expressing one or more remarks or thoughts relevant to the object.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Attribute	*Type:* ASCII_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

comment in DD_Attribute_Full

Name: **comment**			***Version Id:*** **1.0.0.0**
Description: The comment attribute is a character string expressing one or more remarks or thoughts relevant to the object.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Attribute_Full	*Type:* ASCII_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

comment in DD_Class_Full

Name: **comment**			***Version Id:*** **1.0.0.0**
Description: The comment attribute is a character string expressing one or more remarks or thoughts relevant to the object.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Class_Full	*Type:* ASCII_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

comment in Display_Direction

Name: **comment**			***Version Id:*** **1.0.0.0**
Description: The comment attribute is a character string expressing one or more remarks or thoughts relevant to the object.			
Namespace Id: pds	*Steward:* img	*Class Name:* Display_ Direction	*Type:* ASCII_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

comment in File

Name: **comment**			***Version Id:*** **1.0.0.0**
Description: The comment attribute is a character string expressing one or more remarks or thoughts relevant to the object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* File	*Type:* ASCII_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

comment in Ingest_LDD

Name: **comment**	***Version Id:*** **1.0.0.0**
Description: The comment attribute is a character string expressing one or more remarks or thoughts relevant to the object.	

Name: **comment**			***Version Id:*** **1.0.0.0**
Namespace Id: pds	*Steward:* ops	*Class Name:* Ingest_ LDD	*Type:* ASCII_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

comment in Internal_Reference

Name: **comment**			***Version Id:*** **1.0.0.0**
Description: The comment attribute provides one or more remarks or thoughts relevant to the object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Internal_ Reference	*Type:* ASCII_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

comment in Local_Internal_Reference

Name: **comment**			***Version Id:*** **1.0.0.0**
Description: The comment attribute is a character string expressing one or more remarks or thoughts relevant to the object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Local_ Internal_Reference	*Type:* ASCII_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

comment in Movie_Display_Settings

Name: **comment**			***Version Id:*** **1.0.0.0**
Description: The comment attribute is a character string expressing one or more remarks or thoughts relevant to the object.			
Namespace Id: pds	*Steward:* img	*Class Name:* Movie_ Display_Settings	*Type:* ASCII_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None

Name: **comment**			***Version Id:*** **1.0.0.0**
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

compile_note in Software_Source

Name: **compile_note**			***Version Id:*** **1.0.0.0**
Description: The compile note attribute provides a brief statement giving particulars about the compilation of the software source.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Software_ Source	*Type:* ASCII_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Note	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

conceptual_domain in DD_Value_Domain_ Full

Name: **conceptual_domain**			***Version Id:*** **1.0.0.0**
Description: The conceptual_domain attribute provides the domain to which the value has been assigned.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Value_Domain_Full	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Boolean	The value is classified as Boolean	
	Integer	The value is classified as Integer	
	Name	The value is classified as Name	
	Numeric	The value is classified as Numeric	
	Real	The value is classified as Real	
	Short_String	The value is classified as Short_String	
	Text	The value is classified as Text	
	Time	The value is classified as Time	
	Type	The value is classified as Type	
	Unknown	The value has an Unknown classification	

confidence_level_note in Data_Set_PDS3

Name: **confidence_level_note**			***Version Id:*** **1.0.0.0**
Description: The confidence_level_note attribute is a text field which characterizes the reliability of data within a data set or the reliability of a particular programming algorithm or software component. Essentially, this note discusses the level of confidence in the accuracy of the data or in the ability of the software to produce accurate results.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Data_Set_PDS3	*Type:* ASCII_Text_Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Note	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

constant_value in DD_Association

Name: **constant_value**			***Version Id:*** **1.0.0.0**
Description: The constant value attribute provides the value to be used if an attribute is static.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_Association	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

container_type in Zip

Name: **container_type**			***Version Id:*** **1.0.0.0**
Description: The container type attribute indicates the method used to package the components.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Zip	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	GZIP	Product_Zipped is in container type GZIP, a compressed file format based on the DEFLATE algorithm. See http://www.gzip.org/	
	LZIP	Product_Zipped is in container type LZIP, a compressed file format that is created using	

Name: **container_type**			***Version Id:*** **1.0.0.0**
		the Lempel–Ziv–Markov chain algorithm. See http://lzip.nongnu.org/lzip.html	
	TAR	Product_Zipped is in container type TAR, a file format that aggregates many small files, their ownership and status information, and their relative organization into a single larger file. See http://www.freebsd.org/cgi/man.cgi?query=tar&sektion=5&manpath=FreeBSD+8-current	
	ZIP	Product_Zipped is in container type ZIP, a file format that aggregates one or more smaller files and/or folders, some of which may have been compressed, into a single file. See http://www.pkware.com/support/zip-app-note/	

coordinate_source in Telescope

Name: **coordinate_source**			***Version Id:*** **1.0.0.0**
Description: The coordinate_source provides the name of the source of a set of coordinates.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Telescope	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Text	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Aerial Survey - North American (1983) Datum	The coordinate source is Aerial survey - North American (1983) Datum	
	Astronomical	The coordinate source is Astronomical	
	Doppler determined - WGS 72 Datum	The coordinate source is Doppler determined - WGS 72 Datum	
	Geodetic - Adindan Datum	The coordinate source is Geodetic - Adindan Datum	
	Geodetic - Australian Datum	The coordinate source is Geodetic - Australian Datum	
	Geodetic - Campo Inchauspe (Argentina) Datum	The coordinate source is Geodetic - Campo Inchauspe (Argentina) Datum	
	Geodetic - Cape (South Africa) Datum	The coordinate source is Geodetic - Cape (South Africa) Datum	
	Geodetic - Corregio Alegre (Brazil) Datum	The coordinate source is Geodetic - Corregio Alegre (Brazil) Datum	
	Geodetic - Datum Unknown	The coordinate source is Geodetic - Datum Unknown	
	Geodetic - European 1979 Datum	The coordinate source is Geodetic - European 1979 Datum	

Name: **coordinate_source**			***Version Id:*** **1.0.0.0**
	Geodetic - European Datum	The coordinate source is Geodetic - European Datum	
	Geodetic - GRS 80 Datum	The coordinate source is Geodetic - GRS 80 Datum	
	Geodetic - Hermannskogel Datum	The coordinate source is Geodetic - Hermannskogel Datum	
	Geodetic - Indian Datum	The coordinate source is Geodetic - Indian Datum	
	Geodetic - La Canoa (Venezuela) Datum	The coordinate source is Geodetic - La Canoa (Venezuela) Datum	
	Geodetic - New Zealand Datum	The coordinate source is Geodetic - New Zealand Datum	
	Geodetic - North American (1927) Datum	The coordinate source is Geodetic - North American (1927) Datum	
	Geodetic - Old Hawaiian Datum	The coordinate source is Geodetic - Old Hawaiian Datum	
	Geodetic - Ordnance Survey of Great Britain (1936) Datum	The coordinate source is Geodetic - Ordnance Survey of Great Britain (1936) Datum	
	Geodetic - Ordnance Survey of Great Britain (SN) 1980 Datum	The coordinate source is Geodetic - Ordnance Survey of Great Britain (SN) 1980 Datum	
	Geodetic - Potsdam Datum	The coordinate source is Geodetic - Potsdam Datum	
	Geodetic - Puerto Rican (1940) Datum	The coordinate source is Geodetic - Puerto Rican (1940) Datum	
	Geodetic - South American Datum	The coordinate source is Geodetic - South American Datum	
	Geodetic - Tokyo Datum	The coordinate source is Geodetic - Tokyo Datum	
	Geodetic - WGS 84 Datum	The coordinate source is Geodetic - WGS 84 Datum	
	Satellite Determined - Datum Unknown	The coordinate source is Satellite determined - Datum Unknown	
	Unknown	The coordinate source is Unknown	

copyright in Document

Name: **copyright**			***Version Id:*** **1.0.0.0**
Description: The copyright attribute is a character string giving information about the exclusive right to make copies, license, and otherwise exploit an object, whether physical or digital.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Document	*Type:* ASCII_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Text	*Conceptual Domain:* Text

Name: **copyright**			***Version Id:*** **1.0.0.0**
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

country in Facility

Name: **country**			***Version Id:*** **1.0.0.0**
Description: country			
Namespace Id: pds	*Steward:* pds	*Class Name:* Facility	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Text	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

creation_date_time in File

Name: **creation_date_time**			***Version Id:*** **1.0.0.0**
Description: The creation_date_time attribute provides a date and time when the object was created.			
Namespace Id: pds	*Steward:* pds	*Class Name:* File	*Type:* ASCII_Date_Time_YMD
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Time	*Conceptual Domain:* Time
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

curating_node_id in Volume_PDS3

Name: **curating_node_id**			***Version Id:*** **1.0.0.0**
Description: The curating_node_id attribute provides the id of the node currently maintaining the data set or volume and is responsible for maintaining catalog information.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Volume_PDS3	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

data_regime in Primary_Result_Summary *Deprecated*

Name: **data_regime *Deprecated***			***Version Id:*** **1.0.0.0**
Description: The data_regime attribute provides the wavelength (or an analogous concept for things like particle detectors) of the observations, stated as a category.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Primary_ Result_Summary	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Deprecated	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Dust	Particles ranging in size from a few molecules to approximately 0.1 micrometer in diameter.	
	Electric Field	A vector force field controlled primarily by the presence of electrons and/or ions	
	Electrons	Subatomic particles with negative elementary charge.	
	Far Infrared	Electromagnetic radiation in the approximate range: 1 THz - 10 THz (frequency), 30 micrometers - 300 micrometers (wavelength), or 4 meV - 40 meV (photon energy)	
	Gamma Ray	Electromagnetic radiation in the approximate range: greater than 10 EHz (frequency), less than 0.01 nm (wavelength), or more than 100 keV (photon energy)	
	Infrared	Electromagnetic radiation in the approximate range: 300 GHz - 405 THz (frequency), 750 nm - 1 mm (wavelength), or 1.24 meV - 1.7 eV (photon energy)	
	Ions	Atoms or molecules in which the number of electrons and protons is unequal, giving them a net negative or positive electric charge.	
	Magnetic Field	A vector force field produced by moving electric charges (currents) and/or the intrinsic magnetic properties of materials	
	Microwave	Electromagnetic radiation in the approximate range: 300 MHz - 300 GHz (frequency), 1 mm - 1 m (wavelength), or 12 micro eV - 1.2 meV (photon energy)	
	Millimeter	Electromagnetic radiation in the approximate range: 30 GHz - 300 GHz (frequency), 1 mm - 10 mm (wavelength), or 120 micro eV - 1.2 meV (photon energy)	
	Near Infrared	Electromagnetic radiation in the approximate range: 300 THz - 1.5 PHz (frequency), 1	

Name: **data_regime *Deprecated***			***Version Id:*** **1.0.0.0**
		micrometer - 5 micrometer (wavelength), or 1 eV - 6 eV (photon energy)	
	Particles	Discrete (but small) objects that can be characterized by a few simple physical properties such as volume and mass.	
	Pressure	Measurement of ambient atmospheric pressure.	
	Radio	Electromagnetic radiation in the approximate range: 3 Hz - 300 GHz (frequency), 1 mm - 100,000 km (wavelength), or 12 feV - 1.2 meV (photon energy)	
	Sub-Millimeter	Electromagnetic radiation in the approximate range: 0.3 THz - 3 THz (frequency), 0.1 mm - 1 mm (wavelength), or 1.2 meV - 12 meV (photon energy)	
	Temperature	Measurement of ambient temperature.	
	Ultraviolet	Electromagnetic radiation in the approximate range: 790 THz - 30 PHz (frequency), 10 nm - 390 nm (wavelength), or 3 eV - 120 eV (photon energy)	
	Visible	Electromagnetic radiation in the approximate range: 405 THz - 790 THz (frequency), 390 nm - 750 nm (wavelength), or 1.7 eV - 3.3 eV (photon energy)	
	X-Ray	Electromagnetic radiation in the approximate range: 30 PHz - 30 EHz (frequency), 0.01 nm - 10 nm (wavelength), or 120 eV - 120 keV (photon energy))	

data_set_desc in Data_Set_PDS3

Name: **data_set_desc**			***Version Id:*** **1.0.0.0**
Description: The data_set_desc attribute describes the content and type of a data set and provides information required to use the data (such as binning information).			
Namespace Id: pds	*Steward:* ops	*Class Name:* Data_Set_PDS3	*Type:* ASCII_Text_Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

data_set_id in Data_Set_PDS3

Name: **data_set_id**			***Version Id:*** **1.0.0.0**
Description: The data set id provides a formal name used to refer to a data set.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Data_Set_PDS3	*Type:* ASCII_Short_String_Collapsed

Name: **data_set_id**			***Version Id:*** **1.0.0.0**
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

data_set_name in Data_Set_PDS3

Name: **data_set_name**			***Version Id:*** **1.0.0.0**
Description: The data_set_name attribute provides the full name given to a data set or a data product. The data_set_name typically identifies the instrument that acquired the data of that instrument Example value data_set_id. Note This attribute is defined in the AMMOS Magellan catalog as an alias for file_name to provide backward compatibility			
Namespace Id: pds	*Steward:* ops	*Class Name:* Data_Set_PDS3	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

data_set_release_date in Data_Set_PDS3

Name: **data_set_release_date**			***Version Id:*** **1.0.0.0**
Description: The data_set_release_date attribute provides the date when a data set is released by the data producer for archive or publication. In many systems this represents the end of a proprietary or validation period. Formation rule In AMMOS identify the date at which a product may be released to the general public from proprietary access. AMMOS-related systems should apply this attribute only to proprietary data.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Data_Set_PDS3	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Time	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

data_set_terse_desc in Data_Set_PDS3

Name: **data_set_terse_desc**			***Version Id:*** **1.0.0.0**
Description: A one line description of the data set			
Namespace Id: pds	*Steward:* ops	*Class Name:* Data_Set_PDS3	*Type:* ASCII_Text_Preserved

Name: **data_set_terse_desc**			***Version Id:*** **1.0.0.0**
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

data_type in Element_Array

Name: **data_type**			***Version Id:*** **1.0.0.0**
Description: The data_type attribute provides the hardware representation used to store a value in Element_Array.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Element_Array	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	ComplexLSB16	Values of Element_Array are stored as two 64-bit floating point numbers with the least significant byte first	
	ComplexLSB8	Values of Element_Array are stored as two 32-bit floating point numbers with the least significant byte first	
	ComplexMSB16	Values of Element_Array are stored as two 64-bit floating point numbers with the more significant byte first	
	ComplexMSB8	Values of Element_Array are stored as two 32-bit floating point numbers with the more significant byte first	
	IEEE754LSBDouble	Values of Element_Array are stored as 64-bit IEEE binary floating point numbers with the least significant byte first	
	IEEE754LSBSingle	Values of Element_Array are stored as 32-bit IEEE binary floating point numbers with the least significant byte first	
	IEEE754MSBDouble	Values of Element_Array are stored as 64-bit IEEE binary floating point numbers with the most significant byte first	
	IEEE754MSBSingle	Values of Element_Array are stored as 32-bit IEEE binary floating point numbers with the most significant byte first	
	SignedBitString	Values of Element_Array are stored as signed bit strings	
	SignedByte	Values of Element_Array are stored as 8-bit signed binary integers	

Name: **data_type**			***Version Id:*** **1.0.0.0**
	SignedLSB2	Values of Element_Array are stored as 16-bit signed binary integers with the less significant byte first	
	SignedLSB4	Values of Element_Array are stored as 32-bit signed binary integers with the less significant byte first	
	SignedLSB8	Values of Element_Array are stored as 64-bit signed binary integers with the less significant byte first	
	SignedMSB2	Values of Element_Array are stored as 16-bit signed binary integers with the more significant byte first	
	SignedMSB4	Values of Element_Array are stored as twos-complement 32-bit binary integers with the most significant byte first	
	SignedMSB8	Values of Element_Array are stored as twos-complement 64-bit binary integers with the most significant byte first	
	UnsignedBitString	Values of Element_Array are stored as unsigned bit strings	
	UnsignedByte	Values of Element_Array are stored as 8-bit unsigned binary integers	
	UnsignedLSB2	Values of Element_Array are stored as 16-bit unsigned binary integers with the less significant byte first	
	UnsignedLSB4	Values of Element_Array are stored as 32-bit unsigned binary integers with the least significant byte first	
	UnsignedLSB8	Values of Element_Array are stored as 64-bit unsigned binary integers with the least significant byte first	
	UnsignedMSB2	Values of Element_Array are stored as 16-bit unsigned binary integers with the more significant byte first	
	UnsignedMSB4	Values of Element_Array are stored as 32-bit unsigned binary integers with the most significant byte first	
	UnsignedMSB8	Values of Element_Array are stored as 64-bit unsigned binary integers with the most significant byte first	

data_type in Field_Binary

Name: **data_type**			***Version Id:*** **1.0.0.0**
Description: The data_type attribute provides the hardware representation used to store a value in Field_Binary (see PDS Standards Reference section "Binary Data Types").			
Namespace Id: pds	*Steward:* pds	*Class Name:* Field_Binary	*Type:* ASCII_Short_String_Collapsed

Name: **data_type**			***Version Id:*** **1.0.0.0**
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	ASCII_AnyURI	Values in Field_Binary have data type ASCII_AnyURI	
	ASCII_Boolean	Values in Field_Binary have data type ASCII_Boolean	
	ASCII_DOI	Values in Field_Binary have data type ASCII_DOI	
	ASCII_Date_DOY	Values in Field_Binary have data type ASCII_Date_DOY	
	ASCII_Date_Time_DOY	Values in Field_Binary have data type ASCII_Date_Time_DOY	
	ASCII_Date_Time_DOY_UTC	Values in Field_Binary have data type ASCII_Date_Time_DOY_UTC	
	ASCII_Date_Time_YMD	Values in Field_Binary have data type ASCII_Date_Time_YMD	
	ASCII_Date_Time_YMD_UTC	Values in Field_Binary have data type ASCII_Date_Time_YMD_UTC	
	ASCII_Date_YMD	Values in Field_Binary have data type ASCII_Date_YMD	
	ASCII_Directory_Path_Name	Values in Field_Binary have data type ASCII_Directory_Path_Name	
	ASCII_File_Name	Values in Field_Binary have data type ASCII_File_Name	
	ASCII_File_Specification_Name	Values in Field_Binary have data type ASCII_File_Specification_Name	
	ASCII_Integer	Values in Table_Binary_Field have data type ASCII_Integer	
	ASCII_LID	Values in Field_Binary have data type ASCII_LID	
	ASCII_LIDVID	Values in Field_Binary have data type ASCII_LIDVID	
	ASCII_LIDVID_LID	Values in Field_Binary have data type ASCII_LIDVID_LID	
	ASCII_MD5_Checksum	Values in Field_Binary have data type ASCII_MD5_Checksum	
	ASCII_NonNegative_Integer	Values in Field_Binary have data type ASCII_NonNegative_Integer	
	ASCII_Numeric_Base16	Values in Field_Binary have data type ASCII_Numeric_Base16	
	ASCII_Numeric_Base2	Values in Field_Binary have data type ASCII_Numeric_Base2	

Name: **data_type**		***Version Id:*** **1.0.0.0**
	ASCII_Numeric_Base8	Values in Field_Binary have data type ASCII_Numeric_Base8
	ASCII_Real	Values in Field_Binary have data type ASCII_Real
	ASCII_String	Values in Field_Binary have data type ASCII_String
	ASCII_Time	Values in Field_Binary have data type ASCII_Time
	ASCII_VID	Values in Field_Binary have data type ASCII_VID
	ComplexLSB16	Values in Field_Binary have data type ComplexLSB16
	ComplexLSB8	Values in Field_Binary have data type ComplexLSB8
	ComplexMSB16	Values in Field_Binary have data type ComplexMSB16
	ComplexMSB8	Values in Field_Binary have data type ComplexMSB8
	IEEE754LSBDouble	Values in Field_Binary have data type IEEE754LSBDouble
	IEEE754LSBSingle	Values in Field_Binary have data type IEEE754LSBSingle
	IEEE754MSBDouble	Values in Field_Binary have data type IEEE754MSBDouble
	IEEE754MSBSingle	Values in Field_Binary have data type IEEE754MSBSingle
	SignedBitString	Values in Field_Binary have data type SignedBitString
	SignedByte	Values in Field_Binary have data type SignedByte
	SignedLSB2	Values in Field_Binary have data type SignedLSB2
	SignedLSB4	Values in Field_Binary have data type SignedLSB4
	SignedLSB8	Values in Field_Binary have data type SignedLSB8
	SignedMSB2	Values in Field_Binary have data type SignedMSB2
	SignedMSB4	Values in Field_Binary have data type SignedMSB4
	SignedMSB8	Values in Field_Binary have data type SignedMSB8
	UTF8_String	Values in Field_Binary have data type UTF8_String
	UnsignedBitString	Values in Field_Binary have data type UnsignedBitString

Name: **data_type**			***Version Id:*** **1.0.0.0**
	UnsignedByte	Values in Field_Binary have data type UnsignedByte	
	UnsignedLSB2	Values in Field_Binary have data type UnsignedLSB2	
	UnsignedLSB4	Values in Field_Binary have data type UnsignedLSB4	
	UnsignedLSB8	Values in Field_Binary have data type UnsignedLSB8	
	UnsignedMSB2	Values in Field_Binary have data type UnsignedMSB2	
	UnsignedMSB4	Values in Field_Binary have data type UnsignedMSB4	
	UnsignedMSB8	Values in Field_Binary have data type UnsignedMSB8	

data_type in Field_Bit

Name: **data_type**			***Version Id:*** **1.0.0.0**
Description: The data_type attribute provides the hardware representation used to store a value in Field_Bit (see PDS Standards Reference section "Binary Data Types").			
Namespace Id: pds	*Steward:* pds	*Class Name:* Field_Bit	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	SignedBitString	Values of Field_Bit are stored as signed bit strings	
	UnsignedBitString	Values of Field_Bit are stored as unsigned bit strings	

data_type in Field_Character

Name: **data_type**			***Version Id:*** **1.0.0.0**
Description: The data_type attribute provides the hardware representation used to store a value in Field_Character (see PDS Standards Reference section "Character Data Types").			
Namespace Id: pds	*Steward:* pds	*Class Name:* Field_Character	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	

Name: **data_type**		***Version Id:*** **1.0.0.0**
	ASCII_AnyURI	Values in Field_Character have data type ASCII_AnyURI
	ASCII_Boolean	Values in Field_Character have data type ASCII_Boolean
	ASCII_DOI	Values in Field_Character have data type ASCII_DOI
	ASCII_Date_DOY	Values in Field_Character have data type ASCII_Date_DOY
	ASCII_Date_Time_DOY	Values in Field_Character have data type ASCII_Date_Time_DOY
	ASCII_Date_Time_DOY_UTC	Values in Field_Character have data type ASCII_Date_Time_DOY_UTC
	ASCII_Date_Time_YMD	Values in Field_Character have data type ASCII_Date_Time_YMD
	ASCII_Date_Time_YMD_UTC	Values in Field_Character have data type ASCII_Date_Time_YMD_UTC
	ASCII_Date_YMD	Values in Field_Character have data type ASCII_Date_YMD
	ASCII_Directory_Path_Name	Values in Field_Character have data type ASCII_Directory_Path_Name
	ASCII_File_Name	Values in Field_Character have data type ASCII_File_Name
	ASCII_File_Specification_Name	Values in Field_Character have data type ASCII_File_Specification_Name
	ASCII_Integer	Values in Field_Character have data type ASCII_Integer
	ASCII_LID	Values in Field_Character have data type ASCII_LID
	ASCII_LIDVID	Values in Field_Character have data type ASCII_LIDVID
	ASCII_LIDVID_LID	Values in Field_Character have data type ASCII_LIDVID_LID
	ASCII_MD5_Checksum	Values in Field_Character have data type ASCII_MD5_Checksum
	ASCII_NonNegative_Integer	Values in Field_Character have data type ASCII_NonNegative_Integer
	ASCII_Numeric_Base16	Values in Field_Character have data type ASCII_Numeric_Base16
	ASCII_Numeric_Base2	Values in Field_Character have data type ASCII_Numeric_Base2
	ASCII_Numeric_Base8	Values in Field_Character have data type ASCII_Numeric_Base8
	ASCII_Real	Values in Field_Character have data type ASCII_Real
	ASCII_String	Values in Field_Character have data type ASCII_String

Name: **data_type**			***Version Id:*** **1.0.0.0**
	ASCII_Time	Values in Field_Character have data type ASCII_Time	
	ASCII_VID	Values in Field_Character have data type ASCII_VID	
	UTF8_String	Values in Field_Character have data type UTF8_String	

data_type in Field_Delimited

Name: **data_type**			***Version Id:*** **1.0.0.0**
Description: The data_type attribute provides the hardware representation used to store a value in Field_Delimited (see PDS Standards Reference section "Character Data Types").			
Namespace Id: pds	*Steward:* pds	*Class Name:* Field_ Delimited	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	ASCII_AnyURI	The delimited field has data type ASCII_AnyURI	
	ASCII_Boolean	Values in Field_Delimited have data type ASCII_Boolean	
	ASCII_DOI	The delimited field has data type ASCII_DOI	
	ASCII_Date_DOY	The delimited field has data type ASCII_Date_DOY	
	ASCII_Date_Time_ DOY	The delimited field has data type ASCII_Date_Time_DOY	
	ASCII_Date_Time_ DOY_UTC	Values in Field_Delimited have data type ASCII_Date_Time_DOY_UTC	
	ASCII_Date_Time_ YMD	The delimited field has data type ASCII_Date_Time_YMD	
	ASCII_Date_Time_ YMD_UTC	Values in Field_Delimited have data type ASCII_Date_Time_YMD_UTC	
	ASCII_Date_YMD	The delimited field has data type ASCII_Date_YMD	
	ASCII_Directory_ Path_Name	Values in Field_Delimited have data type ASCII_Directory_Path_Name	
	ASCII_File_Name	The delimited field has data type ASCII_File_Name	
	ASCII_File_ Specification_Name	The delimited field has data type ASCII_File_Specification_Name	
	ASCII_Integer	The delimited field has data type ASCII_Integer	
	ASCII_LID	The delimited field has data type ASCII_LID	

Name: **data_type**			***Version Id:*** **1.0.0.0**
	ASCII_LIDVID	The delimited field has data type ASCII_LIDVID	
	ASCII_LIDVID_LID	Values in Field_Delimited have data type ASCII_LIDVID_LID	
	ASCII_MD5_ Checksum	The delimited field has data type ASCII_MD5_Checksum	
	ASCII_NonNegative_ Integer	The delimited field has data type ASCII_NonNegative_Integer	
	ASCII_Numeric_ Base16	The delimited field has data type ASCII_Numeric_Base16	
	ASCII_Numeric_Base2	The delimited field has data type ASCII_Numeric_Base2	
	ASCII_Numeric_Base8	Values in Field_Delimited have data type ASCII_Numeric_Base8	
	ASCII_Real	The delimited field has data type ASCII_Real	
	ASCII_String	Values in Field_Delimited have data type ASCII_String	
	ASCII_Time	The delimited field has data type ASCII_Time	
	ASCII_VID	The delimited field has data type ASCII_VID	
	UTF8_String	Values in Field_Delimited have data type UTF8_String	

data_type in Quaternion_Component

Name: **data_type**			***Version Id:*** **1.0.0.0**
Description: The data_type attribute provides the hardware representation used to store a value in Quaternion_Component (see PDS Standards Reference section "Attribute Data Types").			
Namespace Id: pds	*Steward:* pds	*Class Name:* Quaternion_ Component	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	ASCII_Real	The value is expressed using the data type ASCII_Real	

data_type in Vector

Name: **data_type**			***Version Id:*** **1.0.0.0**
Description: The data_type attribute provides the hardware representation used to store a value in Vector (see PDS Standards Reference section "Attribute Data Types").			
Namespace Id: pds	*Steward:* pds	*Class Name:* Vector	*Type:* ASCII_Short_ String_Collapsed

Name: **data_type**			***Version Id:*** **1.0.0.0**
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	ASCII_Real	The value is expressed using the data type ASCII_Real	

date_time in Update_Entry

Name: **date_time**			***Version Id:*** **1.0.0.0**
Description: The date_time attribute provides the date and time of an event.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Update_ Entry	*Type:* ASCII_Date_ Time_YMD
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Time	*Conceptual Domain:* Time
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

definition in DD_Attribute

Name: **definition**			***Version Id:*** **1.0.0.0**
Description: The definition attribute provides a statement, picture in words, or account that defines the term.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Attribute	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

definition in DD_Attribute_Full

Name: **definition**			***Version Id:*** **1.0.0.0**
Description: The definition attribute provides a statement, picture in words, or account that defines the term.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Attribute_Full	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None

Name: **definition**			***Version Id:*** **1.0.0.0**
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

definition in DD_Class

Name: **definition**			***Version Id:*** **1.0.0.0**
Description: The definition attribute provides a statement, picture in words, or account that defines the term.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_Class	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

definition in DD_Class_Full

Name: **definition**			***Version Id:*** **1.0.0.0**
Description: The definition attribute provides a statement, picture in words, or account that defines the term.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Class_Full	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

definition in Terminological_Entry

Name: **definition**			***Version Id:*** **1.0.0.0**
Description: The definition attribute provides a statement, picture in words, or account that defines the term.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Terminological_Entry	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in Agency

Name: **description**			***Version Id:*** **1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Agency	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in Array

Name: **description**			***Version Id:*** **1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Array	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in Bundle

Name: **description**			***Version Id:*** **1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Bundle	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in Citation_Information

Name: **description**	***Version Id:*** **1.0.0.0**
Description: The description attribute provides a short (5KB or less) description of the product as a whole.	

Name: **description**			***Version Id:*** **1.0.0.0**
Namespace Id: pds	*Steward:* pds	*Class Name:* Citation_ Information	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in Collection

Name: **description**			***Version Id:*** **1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Collection	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in Document

Name: **description**			***Version Id:*** **1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Document	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in Document_Edition

Name: **description**			***Version Id:*** **1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes the edition, including how it is distinguished from other editions (if any).			
Namespace Id: pds	*Steward:* pds	*Class Name:* Document_Edition	*Type:* UTF8_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None

Name: **description**			***Version Id:*** **1.0.0.0**
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in Encoded_Byte_Stream

Name: **description**			***Version Id:*** **1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Encoded_ Byte_Stream	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in External_Reference

Name: **description**			***Version Id:*** **1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* External_ Reference	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in Facility

Name: **description**			***Version Id:*** **1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Facility	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in Field_Binary

Name: **description**			***Version Id:*** **1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Field_ Binary	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in Field_Bit

Name: **description**			***Version Id:*** **1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Field_Bit	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in Field_Character

Name: **description**			***Version Id:*** **1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Field_ Character	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in Field_Delimited

Name: **description**	***Version Id:*** **1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.	

Name: **description**			***Version Id:*** **1.0.0.0**
Namespace Id: pds	*Steward:* pds	*Class Name:* Field_ Delimited	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in Field_Statistics

Name: **description**			***Version Id:*** **1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Field_ Statistics	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in Group

Name: **description**			***Version Id:*** **1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Group	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in Information_Package

Name: **description**			***Version Id:*** **1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Information_Package	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None

Name: **description**			***Version Id:*** **1.0.0.0**
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in Instrument

Name: **description**			***Version Id:*** **1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Instrument	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in Instrument_Host

Name: **description**			***Version Id:*** **1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Instrument_Host	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in Investigation

Name: **description**			***Version Id:*** **1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Investigation	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in Modification_Detail

Name: **description**			***Version Id:*** **1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Modification_Detail	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in Node

Name: **description**			***Version Id:*** **1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Node	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in Object_Statistics

Name: **description**			***Version Id:*** **1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Object_ Statistics	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in Observing_System

Name: **description**	***Version Id:*** **1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.	

Name: **description**			***Version Id:*** **1.0.0.0**
Namespace Id: pds	*Steward:* pds	*Class Name:* Observing_System	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in Observing_System_ Component

Name: **description**			***Version Id:*** **1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Observing_System_ Component	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in Other

Name: **description**			***Version Id:*** **1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Other	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in PDS_Affiliate

Name: **description**			***Version Id:*** **1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	*Steward:* ops	*Class Name:* PDS_ Affiliate	*Type:* UTF8_Text_ Preserved

***Name:* description**			***Version Id:* 1.0.0.0**
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in PDS_Guest

***Name:* description**			***Version Id:* 1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	*Steward:* ops	*Class Name:* PDS_ Guest	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in Packed_Data_Fields

***Name:* description**			***Version Id:* 1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Packed_ Data_Fields	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in Parsable_Byte_Stream

***Name:* description**			***Version Id:* 1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Parsable_ Byte_Stream	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text

Name: **description**			***Version Id:*** **1.0.0.0**
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in Primary_Result_Summary

Name: **description**			***Version Id:*** **1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Primary_ Result_Summary	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in Property_Map

Name: **description**			***Version Id:*** **1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Property_ Map	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in Property_Maps

Name: **description**			***Version Id:*** **1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Property_ Maps	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in Quaternion

Name: **description**			***Version Id:*** **1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Quaternion	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in Quaternion_Component

Name: **description**			***Version Id:*** **1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Quaternion_ Component	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in Resource

Name: **description**			***Version Id:*** **1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Resource	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in Software

Name: **description**			***Version Id:*** **1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Software	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in Table_Base

Name: **description**			***Version Id:*** **1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Table_ Base	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in Target

Name: **description**			***Version Id:*** **1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Target	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in Target_Identification

Name: **description**	***Version Id:*** **1.0.0.0**
Description: The description attribute provides additional information or clarification, as needed.	

Name: **description**			***Version Id:*** **1.0.0.0**
Namespace Id: pds	*Steward:* pds	*Class Name:* Target_ Identification	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in Telescope

Name: **description**			***Version Id:*** **1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Telescope	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in Update

Name: **description**			***Version Id:*** **1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Update	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in Update_Entry

Name: **description**			***Version Id:*** **1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Update_ Entry	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None

Name: **description**			***Version Id:*** **1.0.0.0**
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in Vector

Name: **description**			***Version Id:*** **1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Vector	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in Vector_Component

Name: **description**			***Version Id:*** **1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Vector_ Component	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in Volume_PDS3

Name: **description**			***Version Id:*** **1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Volume_ PDS3	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	

Name: **description**			***Version Id:*** **1.0.0.0**
Permissible Value(s)	*No Values*		

description in Volume_Set_PDS3

Name: **description**			***Version Id:*** **1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Volume_ Set_PDS3	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

description in Zip

Name: **description**			***Version Id:*** **1.0.0.0**
Description: The description attribute provides a statement, picture in words, or account that describes or is otherwise relevant to the object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Zip	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

detector_number in Band_Bin *Deprecated*

Name: **detector_number**			***Version Id:*** **1.0.0.0**
Description: The detector_number attribute provides the spectrometer detector number corresponding to a band of a spectral qube. Detector numbers are usually assigned consecutively from 1, in order of increasing wavelength.			
Namespace Id: pds	*Steward:* img	*Class Name:* Band_Bin *Deprecated*	*Type:* ASCII_Integer
Minimum Value: 1	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Number	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

directory_path_name in Document_File

Name: **directory_path_name**			***Version Id:*** **1.0.0.0**
Description: The directory_path_name attribute provides a sequence of names that locates a directory in a hierarchy of directories.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Document_File	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

discipline_name in Discipline_Facets

Name: **discipline_name**			***Version Id:*** **1.0.0.0**
Description: The discipline_name attribute describes the observing discipline (as opposed to a PDS Discipline Node Name, though the concepts and values are similar). Some of these values are, with respect to the PDS Nodes, inter-disciplinary and should be used when they are applicable in perference to the more restrictive values.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Discipline_Facets	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Atmospheres	atmospheric observations	
	Fields	electric and magnetic field data	
	Flux Measurements	photometry/polarimetry not resulting in images or spectra	
	Imaging	any non-spectroscopic image, of any dimensionality (color, movies, etc.)	
	Particles	ions, electrons, and anything not classified as 'dust'	
	Ring-Moon Systems	other ring or ring-moon system data	
	Small Bodies	other small body observations, including dust, shape models, etc.	
	Spectroscopy	light wavelength/wave number spectra of any and all dimensionalities	

document_editions in Document

Name: **document_editions**			***Version Id:*** **1.0.0.0**
Description: The document_editions attribute provides a count of the total number of complete, distinct editions of the document.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Document	*Type:* ASCII_Integer
Minimum Value: 1	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

document_name in Document

Name: **document_name**			***Version Id:*** **1.0.0.0**
Description: The document_title attribute provides the full name of the published document. This optional attribute is used only if the title in the identification area of the document product is not sufficient.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Document	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

document_standard_id in Document_File

Name: **document_standard_id**			***Version Id:*** **1.0.0.0**
Description: The document_standard_id attribute provides the formal name of a standard used for the structure of a document file.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Document_File	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	7-Bit ASCII Text	The Document_File contains simple text using only the 7-Bit ASCII character set. ANSI X3.4-1986.	
	Encapsulated Postscript	The Document_File is governed by the external standard Encapsulated Postscript (EPS).	

Name: **document_standard_id**		*Version Id:* **1.0.0.0**
	GIF	The Document_File is governed by the standard Graphics Interchange Format (GIF).
	HTML 2.0	The Document_File is governed by the standard HyperText Markup Language (HTML), IETF RFC 2070.
	HTML 3.2	The Document_File is governed by the standard HyperText Markup Language (HTML), W3C Recommendation 14-Jan-1997.
	HTML 4.0	The Document_File is governed by the standard HyperText Markup Language (HTML), ISO 8879:1986.
	HTML 4.01	The Document_File is governed by the standard HyperText Markup Language (HTML), ISO/IEC 15445:2000.
	JPEG	The Document_File is governed by the standard Joint Photographic Experts Group (JPEG), ISO/IEC 10918-1.
	LaTEX	The Document_File is governed by the standard LaTEX, Version LaTeX2e.
	Microsoft Excel	The Document_File is governed by a Microsoft Excel standard (xls, xlsx), Microsoft Corporation.
	Microsoft Word	The Document_File is governed by a Microsoft Word standard, Microsoft Corporation.
	PDF	The Document_File is governed by the standard Portable Document Format (PDF), ISO 32000-1:2008.
	PDF/A	The Document_File is governed by the standard Portable Document Format / Archive (PDF/A), ISO 19005-1:2005.
	PNG	The Document_File is governed by the standard Portable Network Graphics (PNG), ISO/IEC 15948:2004.
	Postscript	The Document_File is governed by the standard Postscript (PS)
	Rich Text	The Document_File is governed by the standard Rich Text Format (RTF), Microsoft Corporation.
	TIFF	The Document_File is governed by the standard Tagged Image File Format (TIFF), Version 6.n, 1992.
	UTF-8 Text	The Document_File contains simple text using UTF-8 Unicode character encodings. RFC 3629.

doi in Document

Name: **doi**	*Version Id:* **1.0.0.0**
Description: The doi attribute provides the Digital Object Identifier for an object, assigned by the appropriate DOI System Registration Agency.	

Name: **doi**			***Version Id:*** **1.0.0.0**
Namespace Id: pds	*Steward:* pds	*Class Name:* Document	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* DOI	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

doi in External_Reference

Name: **doi**			***Version Id:*** **1.0.0.0**
Description: The doi attribute provides the Digital Object Identifier for an object, assigned by the appropriate DOI System Registration Agency.			
Namespace Id: pds	*Steward:* pds	*Class Name:* External_Reference	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* DOI	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

domain in Science_Facets

Name: **domain**			***Version Id:*** **1.0.0.0**
Description: The radial "zone" or "shell" of the target for which the observations were collected or which are represented in the product(s). The value may depend on wavelength_range and size of the target.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Science_Facets	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Atmosphere	an envelope of uncharged gases and particles surrounding the target and bound to it primarily by gravitational forces	
	Heliosphere	the solar atmosphere extending roughly from the outer corona to the edge of the solar plasma at the heliopause, which separates primarily solar plasma from the interstellar medium.	
	Interior	the solid and/or liquid portion of a target enclosed by its surface.	

Name: **domain**			***Version Id:*** **1.0.0.0**
	Interstellar	the region between stars, which is outside of any star's heliopause.	
	Ionosphere	an envelope of plasma and charged particles surrounding the target and bound to it primarily by gravitational forces.	
	Magnetosphere	an envelope of charged particles, bounded on the upper side by the magnetopause and which is primarily under the control of the target body's magnetic field.	
	Surface	the boundary between the solid/liquid portion of a target and its atmosphere, ionosphere, or magnetosphere (or space).	

edition_name in Document_Edition

Name: **edition_name**			***Version Id:*** **1.0.0.0**
Description: The edition name attribute provides a name by which the edition is known.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Document_Edition	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

editor_list in Citation_Information

Name: **editor_list**			***Version Id:*** **1.0.0.0**
Description: The editor_list attribute provides a list of people to be cited as the editors of the associated product. Lists are constructed with last names first and first and middle names and/or initials following. Initials are terminated by periods and delimited by single spaces. Suffixes (if applicable) follow everything else, after a final comma. Hyphenated names may be reduced to initials as "J.-P." Each person's full name is separated from the next by a semi-colon. There is no "and" before the last name.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Citation_Information	*Type:* UTF8_Text_Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* List	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

editor_list in Document

Name: **editor_list**			***Version Id:*** **1.0.0.0**
Description: The editor_list attribute provides a list of people to be cited as the editors of the associated product. Lists are constructed with last names first and first and middle names and/or initials following. Initials are terminated by periods and delimited by single spaces. Suffixes (if applicable) follow everything else, after a final comma. Hyphenated names may be reduced to initials as "J.-P." Each person's full name is separated from the next by a semi-colon. There is no "and" before the last name.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Document	*Type:* UTF8_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* List	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

electronic_mail_address in PDS_Affiliate

Name: **electronic_mail_address**			***Version Id:*** **1.0.0.0**
Description: The electronic mail address attribute provides a multi-part email address: the first part (the user name), which identifies a unique user, is separated by an "at sign" from the host name, which uniquely identifies the mail server.			
Namespace Id: pds	*Steward:* ops	*Class Name:* PDS_ Affiliate	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Address	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

electronic_mail_address in PDS_Guest

Name: **electronic_mail_address**			***Version Id:*** **1.0.0.0**
Description: The electronic mail address attribute provides a multi-part email address: the first part (the user name), which identifies a unique user, is separated by an "at sign" from the host name, which uniquely identifies the mail server.			
Namespace Id: pds	*Steward:* ops	*Class Name:* PDS_ Guest	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Address	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

element_flag in DD_Class

Name: **element_flag**			***Version Id:*** **1.0.0.0**
Description: The element flag attribute indicates whether or not the class is defined as a xs:element in XML Schema.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_Class	*Type:* ASCII_Boolean
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Boolean
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

element_flag in DD_Class_Full

Name: **element_flag**			***Version Id:*** **1.0.0.0**
Description: The element flag attribute indicates whether or not the class is defined as a xs:element in XML Schema.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Class_Full	*Type:* ASCII_Boolean
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Boolean
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

elements in Axis_Array

Name: **elements**			***Version Id:*** **1.0.0.0**
Description: The elements attribute provides the count of the number of elements along an array axis.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Axis_ Array	*Type:* ASCII_Integer
Minimum Value: 1	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

encoding_standard_id in Encoded_Binary

Name: **encoding_standard_id**	***Version Id:*** **1.0.0.0**
Description: The encoding_standard_id attribute provides the formal name of a standard used for the structure of an Encoded Byte Stream digital object.	

Name: **encoding_standard_id**			***Version Id:*** **1.0.0.0**
Namespace Id: pds	*Steward:* pds	*Class Name:* Encoded_ Binary	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	CCSDS Space Communications Protocols	The digital object is governed by the Consultative Committee for Space Data Systems (CCSDS) recommended standards on telecommand, telemetry and space datalink protocols.	

encoding_standard_id in Encoded_Byte_ Stream

Name: **encoding_standard_id**			***Version Id:*** **1.0.0.0**
Description: The encoding_standard_id attribute provides the formal name of a standard used for the structure of an Encoded Byte Stream digital object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Encoded_ Byte_Stream	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

encoding_standard_id in Encoded_Header

Name: **encoding_standard_id**			***Version Id:*** **1.0.0.0**
Description: The encoding_standard_id attribute provides the formal name of the standard governing structure of the Encoded_Header digital object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Encoded_ Header	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	TIFF	The Header is governed by the standard Tagged Image File Format (TIFF), Version 6.0, 1992.	

encoding_standard_id in Encoded_Image

Name: **encoding_standard_id**			***Version Id:*** **1.0.0.0**
Description: The encoding_standard_id attribute provides the formal name of a standard used for the structure of an Encoded Byte Stream digital object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Encoded_ Image	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	GIF	The Encoded_Image is governed by the standard Graphics Interchange Format (GIF).	
	J2C	The Encoded_Image is governed by the standard JPEG2000 compressed image codestream.	
	JPEG	The Encoded_Image is governed by the standard Joint Photographic Experts Group (JPEG), ISO/ IEC 10918-1.	
	PDF	The Encoded_Image is governed by the standard Portable Document Format (PDF), ISO 32000-1:2008.	
	PDF/A	The Encoded_Image is governed by the standard Portable Document Format / Archive (PDF/A), ISO 19005-1:2005.	
	PNG	The Encoded_Image is governed by the standard Portable Network Graphics (PNG), ISO/IEC 15948:2004.	
	TIFF	The Encoded_Image is governed by the standard Tagged Image File Format (TIFF), Version 6.n, 1992.	

encoding_standard_id in Encoded_Native

Name: **encoding_standard_id**			***Version Id:*** **1.0.0.0**
Description: The encoding_standard_id attribute provides the formal name of a standard used for the structure of an Encoded Byte Stream digital object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Encoded_ Native	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	SEED 2.4	SEED (Standard for the Exchange of Earthquake Data) is an international standard format	

Name: **encoding_standard_id**			***Version Id:*** **1.0.0.0**
		for archiving seismic data. The standard is maintained by the International Federation of Digital Seismograph Networks (FDSN). The details of the format are documented in the SEED Reference Manual, version 2.4 (published: 2009-01).	

encoding_type in SPICE_Kernel

Name: **encoding_type**			***Version Id:*** **1.0.0.0**
Description: The encoding_type attribute provides the storage format (binary or character).			
Namespace Id: pds	*Steward:* pds	*Class Name:* SPICE_ Kernel	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Binary	The data object contains binary and possibly some character encoded data.	
	Character	The data object contains only character encoded data, for example ASCII or UTF-8 encoded characters.	

enumeration_flag in DD_Value_Domain

Name: **enumeration_flag**			***Version Id:*** **1.0.0.0**
Description: The enumeration_flag attribute indicates whether there is an enumerated set of permissible values.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Value_Domain	*Type:* ASCII_Boolean
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Flag	*Conceptual Domain:* Boolean
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

enumeration_flag in DD_Value_Domain_Full

Name: **enumeration_flag**			***Version Id:*** **1.0.0.0**
Description: The enumeration_flag attribute indicates whether there is an enumerated set of permissible values.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Value_Domain_Full	*Type:* ASCII_Boolean

Name: **enumeration_flag**			***Version Id:*** **1.0.0.0**
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Flag	*Conceptual Domain:* Boolean
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

error_constant in Special_Constants

Name: **error_constant**			***Version Id:*** **1.0.0.0**
Description: The error_constant attribute provides a value that indicates the original value was in error.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Special_ Constants	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Constant	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

external_namespace_id in Property_Map

Name: **external_namespace_id**			***Version Id:*** **1.0.0.0**
Description: The external_namespace_id attribute provides a namespace_id external to this context.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Property_ Map	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

external_property_map_id in Property_Maps

Name: **external_property_map_id**			***Version Id:*** **1.0.0.0**
Description: The external_property_map_id attribute provides the identifier of a property_map instance external to this context.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Property_ Maps	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None

Name: **external_property_map_id**			***Version Id:*** **1.0.0.0**
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

external_property_maps_id in Ingest_LDD

Name: **external_property_maps_id**			***Version Id:*** **1.0.0.0**
Description: The external_property_maps_id attribute provides the identifier of a property_maps instance external to this context.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Ingest_ LDD	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

facet1 in Group_Facet1

Name: **facet1**			***Version Id:*** **1.0.0.0**
Description: The facet1 attribute provides a sub-categorization under the discipline_name. The values are restricted according to the value of discipline_name.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Group_ Facet1	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	2D (Spectroscopy)	A 2D array in which each pixel value directly represents the spectral measurement at that point. The physical axes of the array align with the axes of the spectral data.	
	Color (Imaging)	3D data, typically with two spatial axes, where the third axis contains display color levels (RGB, CMYK, false color, etc.)	
	Color Movie (Imaging)	4D data, typically with two spatial, one color, and one temporal axis	
	Dust Study (Small Bodies)	Dust measurements of all kinds and all targets	
	Dynamical Properties (Small Bodies)	Orbital parameters, proper elements, etc.	
	Electric (Fields)	Electrical field measurements	
	Electrons (Particles)	Electron measurements	

Name: **facet1**		***Version Id:*** **1.0.0.0**
	Gas Study (Small Bodies)	Gas measurements of all kinds and targets
	Grayscale (Imaging)	2D data, typically with two spatial axes
	Historical Reference (Small Bodies)	Discovery circumstances, reference collections
	Ions (Particles)	Ion measurements
	Lightcurve (Small Bodies)	Light intensity variation with time, including rotational, secular, and occultation light curves
	Linear (Spectroscopy)	A table representing a single spectrum
	Magnetic (Fields)	Magnetic field measurements
	Meteoritics (Small Bodies)	Meteoroid streams, meteorite studies
	Meteorology (Atmospheres)	Meteorological observations
	Movie (Imaging)	3D data, typically with two spatial and one temporal axis
	Neutrals (Particles)	Neutral particle measurements
	Photometry (Flux Measurements)	Photon measurements resulting in magnitudes, colors, etc.
	Physical Properties (Small Bodies)	Mass, density, albedo, etc.
	Polarimetry (Flux Measurements)	Linear and circular polarization studies
	Production Rates (Small Bodies)	Quantification of mass loss from, e.g., the nucleus of a comet: molecular production rates, Af?, etc.
	Ring Compositional Map (Ring-Moon Systems)	3D data, typically with two spatial axes, where the third axis uses either color or intensity to depict chemical or particle size variations within the rings.
	Ring Occultation Profile (Ring-Moon Systems)	Derived ring occultation data uniformly sampled along the radial axis. The occulted signal may be either, radio, solar, or stellar in origin.
	Ring Thermal Map (Ring-Moon Systems)	3D data, typically with two spatial axes, where the third axis uses either color or intensity to depict temperature variations within the rings.
	Satellite Astrometry (Ring-Moon Systems)	Astrometry of natural satellite in ring systems
	Shape Model (Small Bodies)	Shape models, slope models, terrain models, elevation models, etc.
	Spectral Cube (Spectroscopy)	Any 3D structure containing spectral data
	Spectral Image (Spectroscopy)	A 2D image of a spectrum, as projected on a focal plane. There may be multiple orders present, and the axes of the spectrum/spectra typically do not align with the edges of the image.

Name: **facet1**			***Version Id:*** **1.0.0.0**
	Structure (Atmospheres)	Atmospheric structure observations	
	Tabulated (Spectroscopy)	A table with one spectrum per record, possibly for a different target in each record	
	Taxonomy (Small Bodies)	Physical and dynamical taxonomies of small bodies	

facet2 in Group_Facet2

Name: **facet2**			***Version Id:*** **1.0.0.0**
Description: The facet2 attribute provides a sub-categorization (under the discipline_name) of the type of data being described by Primary_Result_Summary. The facet1 and factet2 values are intended to provide independent sub-categorizations. The values are restricted according to the value of discipline_name. Type: ASCII_Short_String_Collapsed			
Namespace Id: pds	*Steward:* pds	*Class Name:* Group_ Facet2	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Background (Fields)	Data characterize the slowly varying background field (typically at less than 100 Hz)	
	Cosmic Ray (Particles)	Data characterize the particle envornment at energies greater than about 10 MeV	
	Energetic (Particles)	Data characterize the particle environment at energies in the approximate range 30keV-0.1 MeV	
	Plasma (Particles)	Data characterize the particle environment at energies less than about 30keV	
	Solar Energetic (Particles)	Data characterize the particle environment at energies in the approximate range 0.1-10MeV	
	Waves (Fields)	Data characterize higher frequency field variations and/or oscillations (typically at greater than 100 Hz).	

field_delimiter in Table_Delimited

Name: **field_delimiter**			***Version Id:*** **1.0.0.0**
Description: The field_delimiter attribute provides the character that marks the boundary between two fields in a delimited table.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Table_ Delimited	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Delimiter	*Conceptual Domain:* Short_String

Name: **field_delimiter**			***Version Id:*** **1.0.0.0**
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Comma	Fields in the delimited table are delimited by a single ASCII comma character (0x2C)	
	Horizontal Tab	Fields in the delimited table are delimited by a single ASCII horizontal tab character (0x09)	
	Semicolon	Fields in the delimited table are delimited by a single ASCII semicolon character (0x3B)	
	Vertical Bar	Fields in the delimited table are delimited by a single ASCII vertical bar character (0x7C)	
	comma - *Deprecated*	Fields in the delimited table are delimited by ASCII commas (0x2C)	
	horizontal tab - *Deprecated*	Fields in the delimited table are delimited by horizontal tab characters (0x09)	
	semicolon - *Deprecated*	Fields in the delimited table are delimited by ASCII semicolons (0x3B)	
	vertical bar - *Deprecated*	Fields in the delimited table are delimited by ASCII vertical bar characters ('|' - 0x7C)	

field_format in Field_Binary

Name: **field_format**			***Version Id:*** **1.0.0.0**
Description: The field_format attribute gives the magnitude and precision of the data value. The standard POSIX string formats are used.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Field_ Binary	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Format	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

field_format in Field_Bit

Name: **field_format**			***Version Id:*** **1.0.0.0**
Description: The field_format attribute gives the magnitude and precision of the data value. The standard POSIX string formats are used.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Field_Bit	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Format	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

field_format in Field_Character

Name: **field_format**			***Version Id:*** **1.0.0.0**
Description: The field_format attribute gives the magnitude and precision of the data value. The standard POSIX string formats are used.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Field_ Character	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Format	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

field_format in Field_Delimited

Name: **field_format**			***Version Id:*** **1.0.0.0**
Description: The field_format attribute gives the magnitude and precision of the data value. The standard POSIX string formats are used.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Field_ Delimited	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Format	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

field_length in Field_Binary

Name: **field_length**			***Version Id:*** **1.0.0.0**
Description: The field_length attribute provides the number of bytes in the field.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Field_ Binary	*Type:* ASCII_Integer
Minimum Value: 1	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Storage	*Default Unit Id:* byte	*Attribute Concept:* Length	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

field_length in Field_Character

Name: **field_length**			***Version Id:*** **1.0.0.0**
Description: The field_length attribute provides the number of bytes in the field.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Field_ Character	*Type:* ASCII_Integer

Name: **field_length**			***Version Id:*** **1.0.0.0**
Minimum Value: 1	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Storage	*Default Unit Id:* byte	*Attribute Concept:* Length	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

field_location in Field_Binary

Name: **field_location**			***Version Id:*** **1.0.0.0**
Description: The field_location attribute provides the starting byte for a field within a record or group, counting from '1'.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Field_ Binary	*Type:* ASCII_Integer
Minimum Value: 1	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Storage	*Default Unit Id:* byte	*Attribute Concept:* Location	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

field_location in Field_Character

Name: **field_location**			***Version Id:*** **1.0.0.0**
Description: The field_location attribute provides the starting byte for a field within a record or group, counting from '1'.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Field_ Character	*Type:* ASCII_Integer
Minimum Value: 1	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Storage	*Default Unit Id:* byte	*Attribute Concept:* Location	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

field_number in Field

Name: **field_number**			***Version Id:*** **1.0.0.0**
Description: The field_number attribute provides the position of a field, within a series of fields, counting from 1. If two fields within a record are physically separated by one or more groups, they have consecutive field numbers; the fields within the intervening group(s) are numbered separately. Fields within a group separated by one or more (sub)groups, will also have consecutive field numbers.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Field	*Type:* ASCII_Integer
Minimum Value: 1	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None

Name: **field_number**			***Version Id:*** **1.0.0.0**
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Number	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

fields in Group

Name: **fields**			***Version Id:*** **1.0.0.0**
Description: The fields attribute provides a count of the total number of scalar fields directly associated with a group. Fields within (sub) groups of the group are not included in this count.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Group	*Type:* ASCII_Integer
Minimum Value: 0	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

fields in Record

Name: **fields**			***Version Id:*** **1.0.0.0**
Description: The fields attribute provides a count of the total number of scalar fields directly associated with a table record. Fields within groups within the record are not included in this count.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Record	*Type:* ASCII_Integer
Minimum Value: 0	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

file_name in File

Name: **file_name**			***Version Id:*** **1.0.0.0**
Description: The file_name attribute provides the name of a file.			
Namespace Id: pds	*Steward:* pds	*Class Name:* File	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

file_size in File

Name: **file_size**			***Version Id:*** **1.0.0.0**
Description: The file_size attribute provides the size of the file.			
Namespace Id: pds	*Steward:* pds	*Class Name:* File	*Type:* ASCII_ NonNegative_Integer
Minimum Value: 0	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Storage	*Default Unit Id:* byte	*Attribute Concept:* Size	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

files in Document_Edition

Name: **files**			***Version Id:*** **1.0.0.0**
Description: The files attribute provides the number of files in the edition.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Document_Edition	*Type:* ASCII_Integer
Minimum Value: 1	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

files in Software_Binary

Name: **files**			***Version Id:*** **1.0.0.0**
Description: The files attribute provides the number of files.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Software_ Binary	*Type:* ASCII_Integer
Minimum Value: 1	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

files in Software_Script

Name: **files**			***Version Id:*** **1.0.0.0**
Description: The files attribute provides the number of files.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Software_ Script	*Type:* ASCII_Integer

Name: **files**			***Version Id:*** **1.0.0.0**
Minimum Value: 1	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

files in Software_Source

Name: **files**			***Version Id:*** **1.0.0.0**
Description: The files attribute provides the number of files.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Software_ Source	*Type:* ASCII_Integer
Minimum Value: 1	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

filter_number in Band_Bin *Deprecated*

Name: **filter_number**			***Version Id:*** **1.0.0.0**
Description: The filter_number attribute of a spectral qube describes the physical location of a band (identified by the band_number) in a detector array. Filter 1 is on the leading edge of the array.			
Namespace Id: pds	*Steward:* img	*Class Name:* Band_Bin *Deprecated*	*Type:* ASCII_Integer
Minimum Value: 1	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Number	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

first_sampling_parameter_value in Uniformly_Sampled

Name: **first_sampling_parameter_value**			***Version Id:*** **1.0.0.0**
Description: The first_sampling_parameter_value element provides the first value in an ascending series and is therefore the minimum value at which a given data item was sampled.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Uniformly_Sampled	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None

Name: **first_sampling_parameter_value**			***Version Id:*** **1.0.0.0**
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Real
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

formation_rule in ASCII_DOI

Name: **formation_rule**			***Version Id:*** **1.0.0.0**
Description: The formation_rule attribute provides a 'user friendly' instruction for forming values.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_DOI	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	10.ssss/sss	The Digital Object Identifier (DOI) is expressed as the decimal number "10." followed by a character string followed by a forward slash "/" followed by another character string. The format and its use are specified by the International DOI Federation (see http://www.doi.org).	

formation_rule in ASCII_Date *Deprecated*

Name: **formation_rule**			***Version Id:*** **1.0.0.0**
Description: The formation_rule attribute provides a 'user friendly' instruction for forming values.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Date *Deprecated*	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	YYYY-MM-DD/ YYYY-DOY	The date must be expressed in either the YYYY-MM-DD or the YYYY-DOY format where YYYY is the 4-digit year (-9999 to 9999), MM is the 2-digit month (01-12), DD is the 2-digit day-of-month (01-31), and DOY is the 3-digit day-of-year (001-366)	

formation_rule in ASCII_Date_DOY

Name: **formation_rule**	***Version Id:*** **1.0.0.0**
Description: The formation_rule attribute provides a 'user friendly' instruction for forming values.	

Name: **formation_rule**			***Version Id:*** **1.0.0.0**
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Date_DOY	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	YYYY-DOY	The value must be expressed in the YYYY-DOY format where YYYY is the 4-digit year (-9999 to 9999) and DOY is the 3-digit day-of-year (001-366)	

formation_rule in ASCII_Date_Time *Deprecated*

Name: **formation_rule**			***Version Id:*** **1.0.0.0**
Description: The formation_rule attribute provides a 'user friendly' instruction for forming values.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Date_Time *Deprecated*	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	YYYY-MM-DDTHH:MM:SS.SSS(Z) YYYY-DOYTHH:MM:SS.SSS(Z)	The date must be expressed in either the YYYY-MM-DD or the YYYY-DOY format where YYYY is the 4-digit year (-9999 to 9999), MM is the 2-digit month-of-year (01-12), DD is the 2-digit day-of-month, and DOY is the 3-digit day-of-year (001-366). "T" is a delimiter separating date and time. Time must be expressed in the HH:MM:SS.SSS(Z) format where HH is the 2-digit hour (00-23), MM is the 2-digit minute (00-59), SS is the 2-digit integer second (00-60), SSS is milliseconds (000-999), and "(Z)" indicates that "Z" may be optionally appended to denote UTC.	

formation_rule in ASCII_Date_Time_DOY

Name: **formation_rule**			***Version Id:*** **1.0.0.0**
Description: The formation_rule attribute provides a 'user friendly' instruction for forming values.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Date_Time_DOY	*Type:* ASCII_Short_String_Collapsed

Name: **formation_rule**			***Version Id:*** **1.0.0.0**
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	YYYY-DOYTHH:MM:SS.SSS(Z)	The date must be expressed in the YYYY-DOY format where YYYY is the 4-digit year (-9999 to 9999) and DOY is the 3-digit day-of-year (001-366). "T" is a delimiter separating date and time. Time must be expressed in the HH:MM:SS.SSS(Z) format where HH is the 2-digit hour (00-23), MM is the 2-digit minute (00-59), SS is the 2-digit integer second (00-60), SSS is milliseconds (000-999), and "(Z)" indicates that "Z" may be optionally appended to denote UTC.	

formation_rule in ASCII_Date_Time_DOY_UTC

Name: **formation_rule**			***Version Id:*** **1.0.0.0**
Description: The formation_rule attribute provides a 'user friendly' instruction for forming values.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Date_Time_DOY_UTC	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	YYYY-DOYTHH:MM:SS.SSSZ	The date must be expressed in the YYYY-DOY format where YYYY is the 4-digit year (-9999 to 9999) and DOY is the 3-digit day-of-year (001-366). "T" is a delimiter separating date and time. Time must be expressed in the HH:MM:SS.SSSZ format where HH is the 2-digit hour (00-23), MM is the 2-digit minute (00-59), SS is the 2-digit integer second (00-60), SSS is milliseconds (000-999), and "Z" denotes UTC.	

formation_rule in ASCII_Date_Time_UTC *Deprecated*

Name: **formation_rule**	***Version Id:*** **1.0.0.0**
Description: The formation_rule attribute provides a 'user friendly' instruction for forming values.	

Name: **formation_rule**			***Version Id:*** **1.0.0.0**
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ Date_Time_UTC *Deprecated*	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	YYYY-MM-DDTHH:MM:SS.SSSZ/ YYYY-DOYTHH:MM:SS.SSSZ	The date must be expressed in either the YYYY-MM-DD or the YYYY-DOY format where YYYY is the 4-digit year (-9999 to 9999), MM is the 2-digit month-of-year (01-12), DD is the 2-digit day-of-month, and DOY is the 3-digit day-of-year (001-366). "T" is a delimiter separating date and time. Time must be expressed in the HH:MM:SS.SSS(Z) format where HH is the 2-digit hour (00-23), MM is the 2-digit minute (00-59), SS is the 2-digit integer second (00-60), SSS is milliseconds (000-999), and "Z" denotes that the combination is given in UTC.	

formation_rule in ASCII_Date_Time_YMD

Name: **formation_rule**			***Version Id:*** **1.0.0.0**
Description: The formation_rule attribute provides a 'user friendly' instruction for forming values.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ Date_Time_YMD	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	YYYY-MM-DDTHH:MM:SS.SSS(Z)	The date must be expressed in the YYYY-MM-DD format where YYYY is the 4-digit year (-9999 to 9999), MM is the 2-digit month-of-year (01-12), DD is the 2-digit day-of-month, and DOY is the 3-digit day-of-year (001-366). "T" is a delimiter separating date and time. Time must be expressed in the HH:MM:SS.SSS(Z) format where HH is the 2-digit hour (00-23), MM is the 2-digit minute (00-59), SS is the 2-digit integer second (00-60), SSS is milliseconds (000-999), and "(Z)" indicates that "Z" may be optionally appended to denote UTC.	

formation_rule in ASCII_Date_Time_YMD_UTC

Name: **formation_rule**			***Version Id:*** **1.0.0.0**
Description: The formation_rule attribute provides a 'user friendly' instruction for forming values.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Date_Time_YMD_UTC	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	YYYY-MM-DDTHH:MM:SS.SSSZ	The date must be expressed in the YYYY-MM-DD format where YYYY is the 4-digit year (-9999 to 9999), MM is the 2-digit month-of-year (01-12), DD is the 2-digit day-of-month, and DOY is the 3-digit day-of-year (001-366). "T" is a delimiter separating date and time. Time must be expressed in the HH:MM:SS.SSS(Z) format where HH is the 2-digit hour (00-23), MM is the 2-digit minute (00-59), SS is the 2-digit integer second (00-60), SSS is milliseconds (000-999), and "Z" denotes UTC.	

formation_rule in ASCII_Date_YMD

Name: **formation_rule**			***Version Id:*** **1.0.0.0**
Description: The formation_rule attribute provides a 'user friendly' instruction for forming values.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Date_YMD	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	YYYY-MM-DD	The date must be expressed in the YYYY-MM-DD format where YYYY is the 4-digit year (-9999 to 9999), MM is the 2-digit month-of-year (01-12), and DD is the 2-digit day-of-month (01-31).	

formation_rule in ASCII_Directory_Path_Name

Name: **formation_rule**			***Version Id:*** **1.0.0.0**
Description: The formation_rule attribute provides a 'user friendly' instruction for forming values.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Directory_Path_Name	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	dir1/dir2/	The path name to the directory must be given as the sequence of directories traversed between the current working directory and the target directory where each directory name is followed by the forward slash character ("/"). See the PDS4 Standards Reference section "File and Directory Naming" for rules on forming directory names.	

formation_rule in ASCII_File_Name

Name: **formation_rule**			***Version Id:*** **1.0.0.0**
Description: The formation_rule attribute provides a 'user friendly' instruction for forming values.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_File_Name	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	file_name.file_extension	The file name is expressed as a base file name plus a file name extension separated by the ASCII period character ("."). Rules for forming file names are given in the PDS4 Standards Reference section "File and Directory Naming".	

formation_rule in ASCII_File_Specification_Name

Name: **formation_rule**	***Version Id:*** **1.0.0.0**
Description: The formation_rule attribute provides a 'user friendly' instruction for forming values.	

Name: **formation_rule**			***Version Id:*** **1.0.0.0**
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ File_Specification_ Name	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	dir1/dir2/file_ name.file_extension	The complete path name to the file is given as the sequence of directories traversed between the current working directory and the target directory where each directory name is followed by the forward slash character ("/") plus the file name, which is expressed as a base file name plus a file name extension separated by the ASCII period character ("."). Rules for forming file and directory names are given in the PDS4 Standards Reference section "File and Directory Naming".	

formation_rule in ASCII_LID

Name: **formation_rule**			***Version Id:*** **1.0.0.0**
Description: The formation_rule attribute provides a 'user friendly' instruction for forming values.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ LID	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	urn:nasa:pds:xxxx	The logical identifier is formed by concatenating "urn", "nasa", and "pds" with an identifer (represented by "xxxx") chosen by the data provider. Colons separate the fields. Rules for forming logical identifiers are given in the PDS4 Standards Reference section "Logical Indentifier".	

formation_rule in ASCII_LIDVID

Name: **formation_rule**			***Version Id:*** **1.0.0.0**
Description: The formation_rule attribute provides a 'user friendly' instruction for forming values.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ LIDVID	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255

Name: **formation_rule**			***Version Id:*** **1.0.0.0**
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	urn:nasa:pds:xxxx::M.n	A versioned identifier (LIDVID) is formed by appending a version identifier (VID) of the form M.n to a logical identifier (LID) of the form usa:nasa:pds:xxxx. Rules for forming versioned identifiers are given in the PDS4 Standards Reference section "Identifiers".	

formation_rule in ASCII_LIDVID_LID

Name: **formation_rule**			***Version Id:*** **1.0.0.0**
Description: The formation_rule attribute provides a 'user friendly' instruction for forming values.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ LIDVID_LID	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	urn:nasa:pds:xxxx/ urn:nasa:pds:xxxx::M.n	The value must be a logical identifier (LID) of the form usa:nasa:psa:xxxx or a versioned identifier (LIDVID) of the form usa:nasa:pds:xxxx::M.n. Rules for forming logical and versioned identifiers are given in the PDS4 Standards Reference section "Identifiers".	

formation_rule in ASCII_MD5_Checksum

Name: **formation_rule**			***Version Id:*** **1.0.0.0**
Description: The formation_rule attribute provides a 'user friendly' instruction for forming values.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ MD5_Checksum	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	0123456789abcdef	The value must be a character string of exactly 32 characters consisting of the digits 0-9 and the lower case letters a-f or upper case letters A-F (but not mixed case).	

formation_rule in ASCII_Time

Name: **formation_rule**			***Version Id:*** **1.0.0.0**
Description: The formation_rule attribute provides a 'user friendly' instruction for forming values.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ Time	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	HH:MM:SS.SSS	The time must be expressed in the HH:MM:SS.SSS format where HH is the 2-digit hour (00-23), MM is the 2-digit minute (00-59), SS is the 2-digit integer second (00-60), and SSS is milliseconds (000-999).	

formation_rule in ASCII_VID

Name: **formation_rule**			***Version Id:*** **1.0.0.0**
Description: The formation_rule attribute provides a 'user friendly' instruction for forming values.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ VID	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	M.n	A version identifier (VID) has the form M.n where M denotes the major version and n denotes the minor version. Rules for forming version identifiers are given in the PDS4 Standards Reference section "Identifiers".	

formation_rule in Character_Data_Type

Name: **formation_rule**			***Version Id:*** **1.0.0.0**
Description: The formation_rule attribute provides a 'user friendly' instruction for forming values.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Character_Data_Type	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	

Name: **formation_rule**			***Version Id:*** **1.0.0.0**
Permissible Value(s)	*No Values*		

formation_rule in DD_Value_Domain

Name: **formation_rule**			***Version Id:*** **1.0.0.0**
Description: The formation_rule attribute provides a 'user friendly' instruction for forming values.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Value_Domain	*Type:* ASCII_Text_ Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

formation_rule in DD_Value_Domain_Full

Name: **formation_rule**			***Version Id:*** **1.0.0.0**
Description: The formation_rule attribute provides a 'user friendly' instruction for forming values.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Value_Domain_Full	*Type:* ASCII_Text_ Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

full_name in Ingest_LDD

Name: **full_name**			***Version Id:*** **1.0.0.0**
Description: The full_name attribute provides the complete name for a person and includes titles and suffixes.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Ingest_ LDD	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

full_name in Subscriber_PDS3

Name: **full_name**			***Version Id:*** **1.0.0.0**
Description: The full_name attribute provides the complete name for a person and includes titles and suffixes.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Subscriber_PDS3	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

full_name in Update_Entry

Name: **full_name**			***Version Id:*** **1.0.0.0**
Description: The full_name attribute provides the complete name for a person and includes titles and suffixes.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Update_Entry	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

grating_position in Band_Bin *Deprecated*

Name: **grating_position**			***Version Id:*** **1.0.0.0**
Description: The grating_position attribute of a spectral qube describes the grating position which corresponds to the band. Grating positions are usually assigned consecutively from 0, and increasing position causes increasing wavelength for each detector.			
Namespace Id: pds	*Steward:* img	*Class Name:* Band_Bin *Deprecated*	*Type:* ASCII_Integer
Minimum Value: 0	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

group_length in Group_Field_Binary

Name: **group_length**			***Version Id:*** **1.0.0.0**
Description: The group_length attribute provides the total length, in bytes, of a repeating field and/or group structure. It is the number of bytes in the repeating fields/groups plus any embedded unused bytes that are also repeated multiplied by the number of repetitions.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Group_ Field_Binary	*Type:* ASCII_Integer
Minimum Value: 1	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Storage	*Default Unit Id:* byte	*Attribute Concept:* Length	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

group_length in Group_Field_Character

Name: **group_length**			***Version Id:*** **1.0.0.0**
Description: The group_length attribute provides the total length, in bytes, of a repeating field and/or group structure. It is the number of bytes in the repeating fields/groups plus any embedded unused bytes that are also repeated multiplied by the number of repetitions.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Group_ Field_Character	*Type:* ASCII_Integer
Minimum Value: 1	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Storage	*Default Unit Id:* byte	*Attribute Concept:* Length	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

group_location in Group_Field_Binary

Name: **group_location**			***Version Id:*** **1.0.0.0**
Description: The group_location attribute provides the starting position for a Group_Field_Binary within the containing Record_Binary or Group_Field_Binary class, in bytes. Location '1' denotes the first byte of the containing class.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Group_ Field_Binary	*Type:* ASCII_Integer
Minimum Value: 1	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Storage	*Default Unit Id:* byte	*Attribute Concept:* Location	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

group_location in Group_Field_Character

Name: **group_location**			***Version Id:*** **1.0.0.0**
Description: The group_location attribute provides the starting position for a Group_Field_Character within the containing Record_Character or Group_Field_Character class, in bytes. Location '1' denotes the first byte of the containing class.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Group_ Field_Character	*Type:* ASCII_Integer
Minimum Value: 1	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Storage	*Default Unit Id:* byte	*Attribute Concept:* Location	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

group_number in Group

Name: **group_number**			***Version Id:*** **1.0.0.0**
Description: The group_number attribute provides the position of a group, within a series of groups, counting from 1. If two groups within a record are physically separated by one or more fields, they have consecutive group numbers; the intervening fields are numbered separately. Groups within a parent group, but separated by one or more fields, will also have consecutive group numbers.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Group	*Type:* ASCII_Integer
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Number	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

groups in Group

Name: **groups**			***Version Id:*** **1.0.0.0**
Description: The groups attribute provides a count of the number of (sub)groups within the repeating structure of a group. (Subsub)groups within (sub)groups within the group are not included in this count.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Group	*Type:* ASCII_Integer
Minimum Value: 0	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

groups in Record

Name: **groups**			***Version Id:*** **1.0.0.0**
Description: The groups attribute provides a count of the total number of groups directly associated with a table record. Groups within groups within the record are not included in this count.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Record	*Type:* ASCII_Integer
Minimum Value: 0	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

high_instrument_saturation in Special_ Constants

Name: **high_instrument_saturation**			***Version Id:*** **1.0.0.0**
Description: The high_instrument_saturation attribute specifies a special value whose presence indicates the measuring instrument was saturated at the high end. The value must be less than the value of the valid_minimum attribute or more than the value of the valid_maximum attribute. Values of this attribute should be represented in the same data_type as the elements in the object with which the Special_Constants class is associated.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Special_ Constants	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

high_representation_saturation in Special_ Constants

Name: **high_representation_saturation**			***Version Id:*** **1.0.0.0**
Description: The high_representative_saturation attribute specifies a special value whose presence indicates the true value cannot be represented in the chosen data type and length -- in this case being above the allowable range -- which may happen during conversion from another data type. The value must be less than the value of the valid_minimum attribute or more than the value of the valid_maximum attribute. Values of this attribute should be represented in the same data_type as the elements in the object with which the Special_Constants class is associated.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Special_ Constants	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None

Name: **high_representation_saturation**			***Version Id:*** **1.0.0.0**
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

identifier in Property_Map

Name: **identifier**			***Version Id:*** **1.0.0.0**
Description: The identifier attribute provides the formal name used to refer to an object.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Property_Map	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

identifier in Property_Maps

Name: **identifier**			***Version Id:*** **1.0.0.0**
Description: The identifier attribute provides the formal name used to refer to an object.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Property_Maps	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

information_model_version in Identification_Area

Name: **information_model_version**			***Version Id:*** **1.0.0.0**
Description: The information_model_version attribute provides the version identification of the PDS Information Model on which the label and schema are based.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Identification_Area	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	1.0.0.0	Information Model version 1.0.0.0 was the first public release of PDS4 (May 7, 2013)	

Name: **information_model_version**			***Version Id:*** **1.0.0.0**
	1.1.0.0	Information Model version 1.1.0.0 was released on October 1, 2013	
	1.2.0.0	Information Model version 1.2.0.0 was released on March 18, 2014.	
	1.2.0.1	Information Model version 1.2.0.1 was released on March 28, 2014.	
	1.3.0.0	Information Model version 1.3.0.0 was released on September 10, 2014.	
	1.3.0.1	Information Model version 1.3.0.1 was released on September 29, 2014.	
	1.4.0.0	Information Model version 1.4.0.0 was released on March 10, 2014.	

install_note in Software_Script

Name: **install_note**			***Version Id:*** **1.0.0.0**
Description: The install note attribute provides a brief statement giving particulars about the installation of the software.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Software_ Script	*Type:* ASCII_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Note	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

instance_id in Property_Map

Name: **instance_id**			***Version Id:*** **1.0.0.0**
Description: The instance_id attribute provides the formal name of a single occurrence of an object.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Property_ Map	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

instance_id in Terminological_Entry

Name: **instance_id**	***Version Id:*** **1.0.0.0**
Description: The instance_id attribute provides the formal name of a single occurrence of an object.	

Name: **instance_id**			***Version Id:*** **1.0.0.0**
Namespace Id: pds	*Steward:* ops	*Class Name:* Terminological_Entry	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

institution_name in Node

Name: **institution_name**			***Version Id:*** **1.0.0.0**
Description: The institution_name attribute provides the name of the associated institution.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Node	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* [a-zA-Z]{1}([-/, ._a-zA-Z0-9]*)	
Permissible Value(s)	*No Values*		

institution_name in PDS_Affiliate

Name: **institution_name**			***Version Id:*** **1.0.0.0**
Description: The institution_name attribute provides the name of the associated institution.			
Namespace Id: pds	*Steward:* ops	*Class Name:* PDS_Affiliate	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* [a-zA-Z]{1}([-/, ._a-zA-Z0-9]*)	
Permissible Value(s)	*No Values*		

instrument_desc in Instrument_PDS3

Name: **instrument_desc**			***Version Id:*** **1.0.0.0**
Description: The instrument_desc attribute describes a given instrument.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Instrument_PDS3	*Type:* ASCII_Text_Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text

Name: **instrument_desc**			***Version Id:*** **1.0.0.0**
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

instrument_host_desc in Instrument_Host_PDS3

Name: **instrument_host_desc**			***Version Id:*** **1.0.0.0**
Description: The instrument_host_desc provides a description of an instrument host			
Namespace Id: pds	*Steward:* ops	*Class Name:* Instrument_Host_PDS3	*Type:* ASCII_Text_Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

instrument_host_id in Instrument_Host_PDS3

Name: **instrument_host_id**			***Version Id:*** **1.0.0.0**
Description: The instrument_host_id attribute provides a unique identifier for the host on which an instrument is located. This host can be either a spacecraft or an earth base (e.g. earth).			
Namespace Id: pds	*Steward:* ops	*Class Name:* Instrument_Host_PDS3	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

instrument_host_name in Instrument_Host_PDS3

Name: **instrument_host_name**			***Version Id:*** **1.0.0.0**
Description: The instrument_host_name attribute provides the full name of the platform or facility upon which an instrument or other device is mounted. For example, the host can be a spacecraft, a ground-based telescope, or a laboratory.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Instrument_Host_PDS3	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255

Name: **instrument_host_name**			***Version Id:*** **1.0.0.0**
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

instrument_host_type in Instrument_Host_PDS3

Name: **instrument_host_type**			***Version Id:*** **1.0.0.0**
Description: The instrument_host_type attribute provides the type of host on which an instrument is based. For example instrument is located on a spacecraft instrument_host_type attribute would have the value SPACECRAFT.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Instrument_Host_PDS3	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

instrument_host_version_id in Instrument_Host

Name: **instrument_host_version_id**			***Version Id:*** **1.0.0.0**
Description: The instrument_host_version_id attribute provides the version of the instrument host.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Instrument_Host	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

instrument_id in Instrument_PDS3

Name: **instrument_id**			***Version Id:*** **1.0.0.0**
Description: The instrument id provides a formal name used to refer to an instrument.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Instrument_PDS3	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String

Name: **instrument_id**			***Version Id:*** **1.0.0.0**
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

instrument_name in Instrument_PDS3

Name: **instrument_name**			***Version Id:*** **1.0.0.0**
Description: The instrument_name attribute provides a unique name for an instrument.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Instrument_PDS3	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

instrument_serial_number in Instrument_PDS3

Name: **instrument_serial_number**			***Version Id:*** **1.0.0.0**
Description: The instrument serial number element provides the manufacturer's serial number assigned to an instrument. This number may be used to uniquely identify a particular instrument for tracing its components or determining its calibration history, for example.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Instrument_PDS3	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Number	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

instrument_type in Instrument_PDS3

Name: **instrument_type**			***Version Id:*** **1.0.0.0**
Description: The instrument_type attribute identifies the type of an instrument. Example values: POLARIMETER SPECTROMETER			
Namespace Id: pds	*Steward:* ops	*Class Name:* Instrument_PDS3	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

instrument_version_id in Instrument_PDS3

Name: **instrument_version_id**			***Version Id:*** **1.0.0.0**
Description: The Instrument_Version_Id element identifies the specific model of an instrument used to obtain data. For example, this keyword could be used to distinguish between an engineering model of a camera used to acquire test data, and a flight model of a camera used to acquire science data during a mission.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Instrument_PDS3	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

invalid_constant in Special_Constants

Name: **invalid_constant**			***Version Id:*** **1.0.0.0**
Description: The invalid_constant attribute provides a value that indicates the original value was outside the valid range for the parameter.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Special_Constants	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Constant	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

kernel_type in SPICE_Kernel

Name: **kernel_type**			***Version Id:*** **1.0.0.0**
Description: The kernel_type attribute identifies the type of SPICE kernel.			
Namespace Id: pds	*Steward:* pds	*Class Name:* SPICE_Kernel	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	CK	SPICE_Kernel is type CK (orientation kernel)	
	DBK	SPICE_Kernel is type DBK (database kernel)	
	DSK	SPICE_Kernel is type DSK (digital shape kernel)	
	EK	SPICE_Kernel is type EK (events kernel)	

Name: **kernel_type**			***Version Id:*** **1.0.0.0**
	FK	SPICE_Kernel is type FK (frames kernel)	
	IK	SPICE_Kernel is type IK (instrument kernel)	
	LSK	SPICE_Kernel is type LSK (leap seconds kernel)	
	MK	SPICE_Kernel is type MK (meta kernel, which names SPICE kernels to be used together)	
	PCK	SPICE_Kernel is type PCL (planetary constants kernel)	
	SCLK	SPICE_Kernel is type SCLK (spacecraft clock kernel)	
	SPK	SPICE_Kernel is type SPK (ephemeris kernel)	

keyword in Citation_Information

Name: **keyword**			***Version Id:*** **1.0.0.0**
Description: The keyword attribute provides one or more words to be used for keyword search.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Citation_ Information	*Type:* UTF8_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Text	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

language in Document_Edition

Name: **language**			***Version Id:*** **1.0.0.0**
Description: The language attribute provides the language used for definition and designation of the term.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Document_Edition	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

language in Terminological_Entry

Name: **language**			***Version Id:*** **1.0.0.0**
Description: The language attribute provides the language used for definition and designation of the term.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Terminological_Entry	*Type:* ASCII_Short_ String_Collapsed

Name: **language**			***Version Id:*** **1.0.0.0**
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Text	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	English	Values in Terminological_Entry are in English	
	Russian	Values in Terminological_Entry are in Russian	

last_modification_date_time in Ingest_LDD

Name: **last_modification_date_time**			***Version Id:*** **1.0.0.0**
Description: The last_modification_date_time attribute gives the most recent date and time that a change was made.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Ingest_LDD	*Type:* ASCII_Date_Time_YMD
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Time	*Conceptual Domain:* Time
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

last_sampling_parameter_value in Uniformly_Sampled

Name: **last_sampling_parameter_value**			***Version Id:*** **1.0.0.0**
Description: The last_sampling_parameter_value element provides the last value in an ascending series and is therefore the maximum value at which a given data item was sampled.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Uniformly_Sampled	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Real
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

ldd_version_id in Ingest_LDD

Name: **ldd_version_id**			***Version Id:*** **1.0.0.0**
Description: The ldd_version_id attribute provides the version of the Local Data Dictionary.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Ingest_LDD	*Type:* ASCII_Short_String_Collapsed

Name: **ldd_version_id**			***Version Id:*** **1.0.0.0**
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

ldd_version_id in XML_Schema

Name: **ldd_version_id**			***Version Id:*** **1.0.0.0**
Description: The ldd_version_id attribute provides the version of the Local Data Dictionary.			
Namespace Id: pds	*Steward:* pds	*Class Name:* XML_ Schema	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

lid_reference in Bundle_Member_Entry

Name: **lid_reference**			***Version Id:*** **1.0.0.0**
Description: The lid_reference attribute provides the logical_identifier for a product.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Bundle_ Member_Entry	*Type:* ASCII_LID
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Reference	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

lid_reference in Internal_Reference

Name: **lid_reference**			***Version Id:*** **1.0.0.0**
Description: The lid_reference attribute provides the logical_identifier for a product.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Internal_ Reference	*Type:* ASCII_LID
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Reference	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

lidvid_reference in Bundle_Member_Entry

Name: **lidvid_reference**			***Version Id:*** **1.0.0.0**
Description: The lidvid_reference attribute provides the logical_identifier plus version_id, which uniquely identifies a product.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Bundle_ Member_Entry	*Type:* ASCII_LIDVID
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Reference	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

lidvid_reference in Internal_Reference

Name: **lidvid_reference**			***Version Id:*** **1.0.0.0**
Description: The lidvid_reference attribute provides the logical_identifier plus version_id, which uniquely identifies a product.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Internal_ Reference	*Type:* ASCII_LIDVID
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Reference	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

line_display_direction in Display_2D_Image *Deprecated*

Name: **line_display_direction**			***Version Id:*** **1.0.0.0**
Description: The line_display_direction element is the preferred orientation of lines within an image for viewing on a display device. Note that if this keyword is present in a label, the sample_display_direction keyword must also be present and must contain a value orthogonal to the value selected for this keyword.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Display_2D_Image *Deprecated*	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Direction	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Down	The preferred orientation of lines within an image for viewing on a display device is Down	

Name: **line_display_direction**			***Version Id:*** **1.0.0.0**
	Up	The preferred orientation of lines within an image for viewing on a display device is Up	

local_identifier in Axis_Array

Name: **local_identifier**			***Version Id:*** **1.0.0.0**
Description: The local_identifier attribute provides a character string which uniquely identifies the containing object within the label.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Axis_ Array	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

local_identifier in Byte_Stream

Name: **local_identifier**			***Version Id:*** **1.0.0.0**
Description: The local_identifier attribute provides a character string which uniquely identifies the containing object within the label.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Byte_ Stream	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

local_identifier in DD_Association

Name: **local_identifier**			***Version Id:*** **1.0.0.0**
Description: The local_identifier attribute provides a character string which uniquely identifies the containing object within the label.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Association	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

local_identifier in DD_Attribute

Name: **local_identifier**			***Version Id:*** **1.0.0.0**
Description: The local_identifier attribute provides a character string which uniquely identifies the containing object within the label.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Attribute	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

local_identifier in DD_Attribute_Full

Name: **local_identifier**			***Version Id:*** **1.0.0.0**
Description: The local_identifier attribute provides a character string which uniquely identifies the containing object within the label.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Attribute_Full	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

local_identifier in DD_Class

Name: **local_identifier**			***Version Id:*** **1.0.0.0**
Description: The local_identifier attribute provides a character string which uniquely identifies the containing object within the label.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_Class	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

local_identifier in DD_Class_Full

Name: **local_identifier**	***Version Id:*** **1.0.0.0**
Description: The local_identifier attribute provides a character string which uniquely identifies the containing object within the label.	

Name: **local_identifier**			***Version Id:*** **1.0.0.0**
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Class_Full	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

local_identifier in DD_Rule

Name: **local_identifier**			***Version Id:*** **1.0.0.0**
Description: The local_identifier attribute provides a character string which uniquely identifies the containing object within the label.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_Rule	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

local_identifier in Field_Statistics

Name: **local_identifier**			***Version Id:*** **1.0.0.0**
Description: The local_identifier attribute provides a character string which uniquely identifies the containing object within the label.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Field_ Statistics	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

local_identifier in File

Name: **local_identifier**			***Version Id:*** **1.0.0.0**
Description: The local_identifier attribute provides a character string which uniquely identifies the containing object within the label.			
Namespace Id: pds	*Steward:* pds	*Class Name:* File	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None

***Name:* local_identifier**			***Version Id:* 1.0.0.0**
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

local_identifier in Geometry

***Name:* local_identifier**			***Version Id:* 1.0.0.0**
Description: The local_identifier attribute provides a character string which uniquely identifies the containing object within the label.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Geometry	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

local_identifier in Object_Statistics

***Name:* local_identifier**			***Version Id:* 1.0.0.0**
Description: The local_identifier attribute provides a character string which uniquely identifies the containing object within the label.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Object_Statistics	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

local_identifier in Quaternion

***Name:* local_identifier**			***Version Id:* 1.0.0.0**
Description: The local_identifier attribute provides a character string which uniquely identifies the containing object within the label.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Quaternion	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	

Name: **local_identifier**			***Version Id:*** **1.0.0.0**
Permissible Value(s)	*No Values*		

local_identifier in Subscriber_PDS3

Name: **local_identifier**			***Version Id:*** **1.0.0.0**
Description: The local_identifier attribute provides a character string which uniquely identifies the containing object within the label.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Subscriber_PDS3	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

local_identifier in Update

Name: **local_identifier**			***Version Id:*** **1.0.0.0**
Description: The local_identifier attribute provides a character string which uniquely identifies the containing object within the label.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Update	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

local_identifier in Vector

Name: **local_identifier**			***Version Id:*** **1.0.0.0**
Description: The local_identifier attribute provides a character string which uniquely identifies the containing object within the label.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Vector	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

local_identifier_reference in Local_Internal_Reference

Name: **local_identifier_reference**			***Version Id:*** **1.0.0.0**
Description: The local_identifier_reference attribute provides the value of the local_identifier of the entity described by the referencing class. Note that a local_identifier attribute, with the same value as this local_identifier_reference, must be present within the label.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Local_ Internal_Reference	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

local_mean_solar_time in Time_Coordinates

Name: **local_mean_solar_time**			***Version Id:*** **1.0.0.0**
Description: The local_mean_solar_time attribute provides the hour angle of the fictitious mean Sun at a fixed point on a rotating solar system body.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Time_ Coordinates	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 8	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Time	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

local_reference_type in Local_Internal_Reference

Name: **local_reference_type**			***Version Id:*** **1.0.0.0**
Description: The local_reference_type attribute provides the name of an association between an entity identified by a local_identifier_reference and another corresponding entity identified by a local_identifier. The values for the local_reference_type are expected to be enumerated for appropriate contexts in the Schematron files of local (i.e., discipline and mission) data dictionaries.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Local_ Internal_Reference	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

local_true_solar_time in Time_Coordinates

Name: **local_true_solar_time**			***Version Id:*** **1.0.0.0**
Description: The local_true_solar_time (LTST) attribute provides the local time on a rotating solar system body where LTST is 12 h at the sub-solar point (SSP) and increases 1 h for each 15 degree increase in east longitude away from the SSP for prograde rotation.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Time_ Coordinates	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 8	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Time	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

logical_identifier in Identification_Area

Name: **logical_identifier**			***Version Id:*** **1.0.0.0**
Description: A logical identifier identifies the set of all versions of an object. It is an object identifier without a version.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Identification_Area	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

low_instrument_saturation in Special_ Constants

Name: **low_instrument_saturation**			***Version Id:*** **1.0.0.0**
Description: The low_instrument_saturation attribute specifies a special value whose presence indicates the measuring instrument was saturated at the low end. The value must be less than the value of the valid_minimum attribute. Values of this attribute should be represented in the same data_type as the elements in the object with which the Special_Constants class is associated.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Special_ Constants	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

low_representation_saturation in Special_ Constants

Name: **low_representation_saturation**			***Version Id:*** **1.0.0.0**
Description: The low_representative_saturation attribute specifies a special value whose presence indicates the true value cannot be represented in the chosen data type and length -- in this case being below the allowable range -- which may happen during conversion from another data type. The value must be less than the value of the valid_minimum attribute. Values of this attribute should be represented in the same data_type as the elements in the object with which the Special_Constants class is associated.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Special_ Constants	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

manifest_checksum in Information_Package_ Component_Deep_Archive

Name: **manifest_checksum**			***Version Id:*** **1.0.0.0**
Description: The manifest checksum provides the checksum for the manifest file.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Information_Package_ Component_Deep_ Archive	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

manifest_url in Information_Package_ Component_Deep_Archive

Name: **manifest_url**			***Version Id:*** **1.0.0.0**
Description: The manifest url provides the URL to the manifest file.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Information_Package_ Component_Deep_ Archive	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None

Name: **manifest_url**			***Version Id:*** **1.0.0.0**
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum in Field_Statistics

Name: **maximum**			***Version Id:*** **1.0.0.0**
Description: The maximum attribute provides the largest stored value which appears in the field over all records (empty fields and Special_Constants values are excluded).			
Namespace Id: pds	*Steward:* pds	*Class Name:* Field_ Statistics	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Number	*Conceptual Domain:* Real
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum in Object_Statistics

Name: **maximum**			***Version Id:*** **1.0.0.0**
Description: The maximum attribute provides the largest value which appears in the stored array after application of any bit mask (Special_Constants values are excluded).			
Namespace Id: pds	*Steward:* pds	*Class Name:* Object_ Statistics	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Number	*Conceptual Domain:* Real
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_characters in ASCII_AnyURI

Name: **maximum_characters**			***Version Id:*** **1.0.0.0**
Description: The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ AnyURI	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	

Name: **maximum_characters**			***Version Id:*** **1.0.0.0**
Permissible Value(s)	*No Values*		

maximum_characters in ASCII_DOI

Name: **maximum_characters**			***Version Id:*** **1.0.0.0**
Description: The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_DOI	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_characters in ASCII_Date *Deprecated*

Name: **maximum_characters**			***Version Id:*** **1.0.0.0**
Description: The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Date *Deprecated*	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_characters in ASCII_Date_DOY

Name: **maximum_characters**			***Version Id:*** **1.0.0.0**
Description: The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Date_DOY	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_characters in ASCII_Date_Time *Deprecated*

Name: **maximum_characters**			***Version Id:*** **1.0.0.0**
Description: The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Date_Time *Deprecated*	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_characters in ASCII_Date_Time_DOY

Name: **maximum_characters**			***Version Id:*** **1.0.0.0**
Description: The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Date_Time_DOY	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_characters in ASCII_Date_Time_UTC *Deprecated*

Name: **maximum_characters**			***Version Id:*** **1.0.0.0**
Description: The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Date_Time_UTC *Deprecated*	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	

Name: **maximum_characters**			***Version Id:*** **1.0.0.0**
Permissible Value(s)	*No Values*		

maximum_characters in ASCII_Date_Time_YMD

Name: **maximum_characters**			***Version Id:*** **1.0.0.0**
Description: The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Date_Time_YMD	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_characters in ASCII_Date_YMD

Name: **maximum_characters**			***Version Id:*** **1.0.0.0**
Description: The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Date_YMD	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_characters in ASCII_Directory_Path_Name

Name: **maximum_characters**			***Version Id:*** **1.0.0.0**
Description: The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Directory_Path_Name	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	

Name: **maximum_characters**			***Version Id:*** **1.0.0.0**
Permissible Value(s)	*Value*	*Value Meaning*	
	255	Values of ASCII_Directory_Path_Name may have no more than 255 characters	

maximum_characters in ASCII_File_Name

Name: **maximum_characters**			***Version Id:*** **1.0.0.0**
Description: The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ File_Name	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	255	Values of ASCII_File_Name may have no more than 255 characters	

maximum_characters in ASCII_File_ Specification_Name

Name: **maximum_characters**			***Version Id:*** **1.0.0.0**
Description: The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ File_Specification_ Name	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	255	Values of ASCII_File_Specification_Name may have no more than 255 characters	

maximum_characters in ASCII_Integer

Name: **maximum_characters**			***Version Id:*** **1.0.0.0**
Description: The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ Integer	*Type:* ASCII_Short_ String_Collapsed

Name: **maximum_characters**			***Version Id:*** **1.0.0.0**
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_characters in ASCII_LID

Name: **maximum_characters**			***Version Id:*** **1.0.0.0**
Description: The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_LID	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	255	Values of ASCII_LID may have no more than 255 characters	

maximum_characters in ASCII_LIDVID

Name: **maximum_characters**			***Version Id:*** **1.0.0.0**
Description: The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_LIDVID	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	255	Values of ASCII_LIDVID may have no more than 255 characters	

maximum_characters in ASCII_LIDVID_LID

Name: **maximum_characters**			***Version Id:*** **1.0.0.0**
Description: The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_LIDVID_LID	*Type:* ASCII_Short_String_Collapsed

Name: **maximum_characters**			***Version Id:*** **1.0.0.0**
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	255	Values of ASCII_LIDVID_LID may have no more than 255 characters	

maximum_characters in ASCII_MD5_Checksum

Name: **maximum_characters**			***Version Id:*** **1.0.0.0**
Description: The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_MD5_Checksum	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	32	Values of ASCII_MD5_Checksum may have no more than 32 characters	

maximum_characters in ASCII_NonNegative_Integer

Name: **maximum_characters**			***Version Id:*** **1.0.0.0**
Description: The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_NonNegative_Integer	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_characters in ASCII_Numeric_Base16

Name: **maximum_characters**			***Version Id:*** **1.0.0.0**
Description: The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Numeric_Base16	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	255	Values of ASCII_Numeric_Base16 may have no more than 255 characters	

maximum_characters in ASCII_Numeric_Base2

Name: **maximum_characters**			***Version Id:*** **1.0.0.0**
Description: The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Numeric_Base2	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	255	Values of ASCII_Numeric_Base2 may have no more than 255 characters	

maximum_characters in ASCII_Numeric_Base8

Name: **maximum_characters**			***Version Id:*** **1.0.0.0**
Description: The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Numeric_Base8	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255

Name: **maximum_characters**			***Version Id:*** **1.0.0.0**
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	255	Values of ASCII_Numeric_Base8 may have no more than 255 characters	

maximum_characters in ASCII_Real

Name: **maximum_characters**			***Version Id:*** **1.0.0.0**
Description: The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ Real	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_characters in ASCII_Short_String_ Collapsed

Name: **maximum_characters**			***Version Id:*** **1.0.0.0**
Description: The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ Short_String_Collapsed	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	255	Values of ASCII_Short_String_Collapsed may have no more than 255 characters	

maximum_characters in ASCII_Short_String_ Preserved

Name: **maximum_characters**	***Version Id:*** **1.0.0.0**
Description: The maximum_characters attribute provides the upper, inclusive bound on the number of characters.	

Name: **maximum_characters**			***Version Id:*** **1.0.0.0**
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ Short_String_Preserved	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	255	Values of ASCII_Short_String_Preserved may have no more than 255 characters	

maximum_characters in ASCII_Text_ Collapsed

Name: **maximum_characters**			***Version Id:*** **1.0.0.0**
Description: The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ Text_Collapsed	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_characters in ASCII_Text_ Preserved

Name: **maximum_characters**			***Version Id:*** **1.0.0.0**
Description: The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ Text_Preserved	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_characters in ASCII_Time

Name: **maximum_characters**			***Version Id:*** **1.0.0.0**
Description: The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ Time	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_characters in ASCII_VID

Name: **maximum_characters**			***Version Id:*** **1.0.0.0**
Description: The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ VID	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	100	Values of ASCII_VID may have no more than 100 characters	

maximum_characters in Character_Data_ Type

Name: **maximum_characters**			***Version Id:*** **1.0.0.0**
Description: The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Character_Data_Type	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_characters in DD_Value_Domain

Name: **maximum_characters**			***Version Id:*** **1.0.0.0**
Description: The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Value_Domain	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_characters in DD_Value_Domain_ Full

Name: **maximum_characters**			***Version Id:*** **1.0.0.0**
Description: The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Value_Domain_Full	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_characters in UTF8_Short_String_ Collapsed

Name: **maximum_characters**			***Version Id:*** **1.0.0.0**
Description: The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* UTF8_ Short_String_Collapsed	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	255	Values of UTF8_Short_String_Collapsed may have no more than 255 characters	

maximum_characters in UTF8_Short_String_Preserved

Name: **maximum_characters**			***Version Id:*** **1.0.0.0**
Description: The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* UTF8_Short_String_Preserved	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	255	Values of UTF8_Short_String_Preserved may have no more than 255 characters	

maximum_characters in UTF8_Text_Preserved

Name: **maximum_characters**			***Version Id:*** **1.0.0.0**
Description: The maximum_characters attribute provides the upper, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* UTF8_Text_Preserved	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_field_length in Field_Delimited

Name: **maximum_field_length**			***Version Id:*** **1.0.0.0**
Description: The maximum_field_length attribute sets an upper, inclusive bound on the number of bytes in the field.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Field_Delimited	*Type:* ASCII_Integer
Minimum Value: 1	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Storage	*Default Unit Id:* byte	*Attribute Concept:* Length	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_occurrences in DD_Association

Name: **maximum_occurrences**			***Version Id:*** **1.0.0.0**
Description: The maximum occurrences attribute indicates the number of times something may occur. It is also called the maximum cardinality. The asterisk character is used as a value to indicate that no upper bound exists.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Association	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_occurrences in DD_Association_ External *Deprecated*

Name: **maximum_occurrences**			***Version Id:*** **1.0.0.0**
Description: The maximum occurrences attribute indicates the number of times something may occur. It is also called the maximum cardinality. The asterisk character is used as a value to indicate that no upper bound exists.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Association_External *Deprecated*	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_record_length in Record_ Delimited

Name: **maximum_record_length**			***Version Id:*** **1.0.0.0**
Description: The maximum_record_length attribute provides the maximum length of a record, including the record delimiter.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Record_ Delimited	*Type:* ASCII_Integer
Minimum Value: 1	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Storage	*Default Unit Id:* byte	*Attribute Concept:* Length	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_scaled_value in Object_Statistics

Name: **maximum_scaled_value**			***Version Id:*** **1.0.0.0**
Description: The maximum_scaled_value attribute provides the maximum value after application of scaling_factor and value_offset (see their definitions; maximum_scaled_value is the maximum of Ov).			
Namespace Id: pds	*Steward:* pds	*Class Name:* Object_ Statistics	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Number	*Conceptual Domain:* Real
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_value in ASCII_Date_Time *Deprecated*

Name: **maximum_value**			***Version Id:*** **1.0.0.0**
Description: The maximum_value attribute provides the upper, inclusive bound on the value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Date_Time *Deprecated*	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_value in ASCII_Date_Time_DOY

Name: **maximum_value**			***Version Id:*** **1.0.0.0**
Description: The maximum_value attribute provides the upper, inclusive bound on the value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ Date_Time_DOY	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_value in ASCII_Date_Time_UTC *Deprecated*

Name: **maximum_value**			***Version Id:*** **1.0.0.0**
Description: The maximum_value attribute provides the upper, inclusive bound on the value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ Date_Time_UTC *Deprecated*	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_value in ASCII_Date_Time_YMD

Name: **maximum_value**			***Version Id:*** **1.0.0.0**
Description: The maximum_value attribute provides the upper, inclusive bound on the value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ Date_Time_YMD	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_value in ASCII_Integer

Name: **maximum_value**			***Version Id:*** **1.0.0.0**
Description: The maximum_value attribute provides the upper, inclusive bound on the value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ Integer	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_value in ASCII_LID

Name: **maximum_value**	***Version Id:*** **1.0.0.0**
Description: The maximum_value attribute provides the upper, inclusive bound on the value.	

Name: **maximum_value**			***Version Id:*** **1.0.0.0**
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_LID	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_value in ASCII_NonNegative_Integer

Name: **maximum_value**			***Version Id:*** **1.0.0.0**
Description: The maximum_value attribute provides the upper, inclusive bound on the value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_NonNegative_Integer	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_value in ASCII_Numeric_Base16

Name: **maximum_value**			***Version Id:*** **1.0.0.0**
Description: The maximum_value attribute provides the upper, inclusive bound on the value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Numeric_Base16	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_value in ASCII_Numeric_Base2

Name: **maximum_value**			***Version Id:*** **1.0.0.0**
Description: The maximum_value attribute provides the upper, inclusive bound on the value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Numeric_Base2	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255

Name: **maximum_value**			***Version Id:*** **1.0.0.0**
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_value in ASCII_Real

Name: **maximum_value**			***Version Id:*** **1.0.0.0**
Description: The maximum_value attribute provides the upper, inclusive bound on the value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ Real	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_value in ASCII_Short_String_ Collapsed

Name: **maximum_value**			***Version Id:*** **1.0.0.0**
Description: The maximum_value attribute provides the upper, inclusive bound on the value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ Short_String_Collapsed	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_value in ASCII_Short_String_ Preserved

Name: **maximum_value**			***Version Id:*** **1.0.0.0**
Description: The maximum_value attribute provides the upper, inclusive bound on the value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ Short_String_Preserved	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	

Name: **maximum_value**			***Version Id:*** **1.0.0.0**
Permissible Value(s)	*No Values*		

maximum_value in ASCII_Text_Preserved

Name: **maximum_value**			***Version Id:*** **1.0.0.0**
Description: The maximum_value attribute provides the upper, inclusive bound on the value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ Text_Preserved	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_value in ASCII_Time

Name: **maximum_value**			***Version Id:*** **1.0.0.0**
Description: The maximum_value attribute provides the upper, inclusive bound on the value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ Time	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_value in ASCII_VID

Name: **maximum_value**			***Version Id:*** **1.0.0.0**
Description: The maximum_value attribute provides the upper, inclusive bound on the value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ VID	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_value in Character_Data_Type

Name: **maximum_value**	***Version Id:*** **1.0.0.0**
Description: The maximum_value attribute provides the upper, inclusive bound on the value.	

Name: **maximum_value**			***Version Id:*** **1.0.0.0**
Namespace Id: pds	*Steward:* pds	*Class Name:* Character_Data_Type	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_value in DD_Value_Domain

Name: **maximum_value**			***Version Id:*** **1.0.0.0**
Description: The maximum_value attribute provides the upper, inclusive bound on the value.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_Value_Domain	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_value in DD_Value_Domain_Full

Name: **maximum_value**			***Version Id:*** **1.0.0.0**
Description: The maximum_value attribute provides the upper, inclusive bound on the value.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_Value_Domain_Full	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_value in UTF8_Short_String_Collapsed

Name: **maximum_value**			***Version Id:*** **1.0.0.0**
Description: The maximum_value attribute provides the upper, inclusive bound on the value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* UTF8_Short_String_Collapsed	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255

Name: **maximum_value**			***Version Id:*** **1.0.0.0**
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_value in UTF8_Short_String_Preserved

Name: **maximum_value**			***Version Id:*** **1.0.0.0**
Description: The maximum_value attribute provides the upper, inclusive bound on the value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* UTF8_Short_String_Preserved	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_value in UTF8_Text_Preserved

Name: **maximum_value**			***Version Id:*** **1.0.0.0**
Description: The maximum_value attribute provides the upper, inclusive bound on the value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* UTF8_Text_Preserved	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

md5_checksum in File

Name: **md5_checksum**			***Version Id:*** **1.0.0.0**
Description: The md5_checksum attribute is the 32-character hexadecimal number computed for a file using the MD5 algorithm.			
Namespace Id: pds	*Steward:* pds	*Class Name:* File	*Type:* ASCII_MD5_Checksum
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 32	*Maximum Characters:* 32
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Checksum	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* ([a-f0-9]{32})	

Name: **md5_checksum**			***Version Id:*** **1.0.0.0**
Permissible Value(s)	*No Values*		

md5_checksum in Object_Statistics

Name: **md5_checksum**			***Version Id:*** **1.0.0.0**
Description: The md5_checksum attribute is the 32-character hexadecimal number computed for a file using the MD5 algorithm.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Object_ Statistics	*Type:* ASCII_MD5_ Checksum
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 32	*Maximum Characters:* 32
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Checksum	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* ([a-f0-9]{32})	
Permissible Value(s)	*No Values*		

mean in Field_Statistics

Name: **mean**			***Version Id:*** **1.0.0.0**
Description: The mean attribute provides the sum of the stored field values divided by the number of values in all records (empty fields and Special_Constants values are excluded from both the sum and the count).			
Namespace Id: pds	*Steward:* pds	*Class Name:* Field_ Statistics	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Number	*Conceptual Domain:* Real
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

mean in Object_Statistics

Name: **mean**			***Version Id:*** **1.0.0.0**
Description: The mean attribute provides the sum of the stored array element values (after application of any bit mask) divided by the number of elements (Special_Constants values are excluded from both the sum and the count).			
Namespace Id: pds	*Steward:* pds	*Class Name:* Object_ Statistics	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Number	*Conceptual Domain:* Real
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

median in Field_Statistics

Name: **median**			***Version Id:*** **1.0.0.0**
Description: The median attribute provides the number separating the larger half of stored field values from the algebraically smaller half over all records (empty fields and Special_Constants values are excluded from the sort).			
Namespace Id: pds	*Steward:* pds	*Class Name:* Field_ Statistics	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Number	*Conceptual Domain:* Real
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

median in Object_Statistics

Name: **median**			***Version Id:*** **1.0.0.0**
Description: The median attribute provides the number separating the larger half of stored array element values from the algebraically smaller half after application of any bit mask (Special_Constants values are excluded from the sort).			
Namespace Id: pds	*Steward:* pds	*Class Name:* Object_ Statistics	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Number	*Conceptual Domain:* Real
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

medium_type in NSSDC

Name: **medium_type**			***Version Id:*** **1.0.0.0**
Description: The medium_type attribute identifies the physical storage medium for a data volume. Examples: CD-ROM, CARTRIDGE TAPE.			
Namespace Id: pds	*Steward:* ops	*Class Name:* NSSDC	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

medium_type in Volume_PDS3

Name: **medium_type**			***Version Id:*** **1.0.0.0**
Description: The medium_type attribute identifies the physical storage medium for a data volume. Examples: CD-ROM, CARTRIDGE TAPE.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Volume_ PDS3	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

member_status in Bundle_Member_Entry

Name: **member_status**			***Version Id:*** **1.0.0.0**
Description: The member_status attribute indicates whether the collection is primary and whether the file_specification_name has been provided for the product_collection label.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Bundle_ Member_Entry	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Primary	The collection is a primary member of the bundle	
	Secondary	The collection is a secondary member of the bundle	

minimum in Field_Statistics

Name: **minimum**			***Version Id:*** **1.0.0.0**
Description: The minimum attribute provides the algebraically smallest stored value which appears in the field over all records (empty fields and Special_Constants values are excluded).			
Namespace Id: pds	*Steward:* pds	*Class Name:* Field_ Statistics	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Number	*Conceptual Domain:* Real
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum in Object_Statistics

Name: **minimum**			***Version Id:*** **1.0.0.0**
Description: The minimum attribute provides the algebraically smallest value which appears in the stored array after application of any bit mask (Special_Constants values are excluded).			
Namespace Id: pds	*Steward:* pds	*Class Name:* Object_ Statistics	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Number	*Conceptual Domain:* Real
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_characters in ASCII_AnyURI

Name: **minimum_characters**			***Version Id:*** **1.0.0.0**
Description: The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ AnyURI	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_characters in ASCII_DOI

Name: **minimum_characters**			***Version Id:*** **1.0.0.0**
Description: The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ DOI	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_characters in ASCII_Date *Deprecated*

Name: **minimum_characters**			***Version Id:*** **1.0.0.0**
Description: The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ Date *Deprecated*	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_characters in ASCII_Date_DOY

Name: **minimum_characters**			***Version Id:*** **1.0.0.0**
Description: The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ Date_DOY	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_characters in ASCII_Date_Time *Deprecated*

Name: **minimum_characters**			***Version Id:*** **1.0.0.0**
Description: The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Date_Time *Deprecated*	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_characters in ASCII_Date_Time_DOY

Name: **minimum_characters**			***Version Id:*** **1.0.0.0**
Description: The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Date_Time_DOY	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_characters in ASCII_Date_Time_UTC *Deprecated*

Name: **minimum_characters**			***Version Id:*** **1.0.0.0**
Description: The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Date_Time_UTC *Deprecated*	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_characters in ASCII_Date_Time_YMD

Name: **minimum_characters**			***Version Id:*** **1.0.0.0**
Description: The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Date_Time_YMD	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_characters in ASCII_Date_YMD

Name: **minimum_characters**			***Version Id:*** **1.0.0.0**
Description: The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ Date_YMD	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_characters in ASCII_Directory_ Path_Name

Name: **minimum_characters**			***Version Id:*** **1.0.0.0**
Description: The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ Directory_Path_Name	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	1	Values of ASCII_Directory_Path_Name must have at least 1 character	

minimum_characters in ASCII_File_Name

Name: **minimum_characters**			***Version Id:*** **1.0.0.0**
Description: The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ File_Name	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	1	Values of ASCII_File_Name must have at least one character	

minimum_characters in ASCII_File_Specification_Name

Name: **minimum_characters**			***Version Id:*** **1.0.0.0**
Description: The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_File_Specification_Name	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	1	Values of ASCII_File_Specification_Name must have at least 1 character	

minimum_characters in ASCII_Integer

Name: **minimum_characters**			***Version Id:*** **1.0.0.0**
Description: The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Integer	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_characters in ASCII_LID

Name: **minimum_characters**			***Version Id:*** **1.0.0.0**
Description: The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_LID	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	

Name: **minimum_characters**			***Version Id:*** **1.0.0.0**
	14	Values of ASCII_LID must have at least 14 characters	

minimum_characters in ASCII_LIDVID

Name: **minimum_characters**			***Version Id:*** **1.0.0.0**
Description: The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ LIDVID	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	19	Values of ASCII_LIDVID must have at least 19 characters	

minimum_characters in ASCII_LIDVID_LID

Name: **minimum_characters**			***Version Id:*** **1.0.0.0**
Description: The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ LIDVID_LID	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	14	Values of ASCII_LIDVID_LID must have at least 14 characters	

minimum_characters in ASCII_MD5_ Checksum

Name: **minimum_characters**			***Version Id:*** **1.0.0.0**
Description: The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ MD5_Checksum	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255

Name: **minimum_characters**			***Version Id:*** **1.0.0.0**
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	32	Values of ASCII_MD5_Checksum must have at least 32 characters	

minimum_characters in ASCII_NonNegative_Integer

Name: **minimum_characters**			***Version Id:*** **1.0.0.0**
Description: The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_NonNegative_Integer	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_characters in ASCII_Numeric_Base16

Name: **minimum_characters**			***Version Id:*** **1.0.0.0**
Description: The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Numeric_Base16	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	1	Values of ASCII_Numeric_Base16 must have at least 1 character	

minimum_characters in ASCII_Numeric_Base2

Name: **minimum_characters**			***Version Id:*** **1.0.0.0**
Description: The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Numeric_Base2	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	1	Values of ASCII_Numeric_Base2 must have at least 1 character	

minimum_characters in ASCII_Numeric_Base8

Name: **minimum_characters**			***Version Id:*** **1.0.0.0**
Description: The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Numeric_Base8	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	1	Values of ASCII_Numeric_Base8 must have at least 1 character	

minimum_characters in ASCII_Real

Name: **minimum_characters**			***Version Id:*** **1.0.0.0**
Description: The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Real	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String

Name: **minimum_characters**			***Version Id:*** **1.0.0.0**
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_characters in ASCII_Short_String_Collapsed

Name: **minimum_characters**			***Version Id:*** **1.0.0.0**
Description: The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Short_String_Collapsed	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	1	Values of ASCII_Short_String_Collapsed must have at least 1 character	

minimum_characters in ASCII_Short_String_Preserved

Name: **minimum_characters**			***Version Id:*** **1.0.0.0**
Description: The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Short_String_Preserved	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	1	Values of ASCII_Short_String_Preserved must have at least 1 character	

minimum_characters in ASCII_String

Name: **minimum_characters**			***Version Id:*** **1.0.0.0**
Description: The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_String	*Type:* ASCII_Short_String_Collapsed

Name: **minimum_characters**			***Version Id:*** **1.0.0.0**
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	1	Values of ASCII_String must have at least 1 character	

minimum_characters in ASCII_Text_Collapsed

Name: **minimum_characters**			***Version Id:*** **1.0.0.0**
Description: The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Text_Collapsed	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	1	Values of ASCII_Text_Collapsed must have at least 1 character	

minimum_characters in ASCII_Text_Preserved

Name: **minimum_characters**			***Version Id:*** **1.0.0.0**
Description: The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Text_Preserved	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	1	Values of ASCII_Text_Preserved must have at least 1 character	

minimum_characters in ASCII_Time

Name: **minimum_characters**			***Version Id:*** **1.0.0.0**
Description: The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ Time	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_characters in ASCII_VID

Name: **minimum_characters**			***Version Id:*** **1.0.0.0**
Description: The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ VID	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	3	Values of ASCII_VID must have at least 3 characters	

minimum_characters in Character_Data_ Type

Name: **minimum_characters**			***Version Id:*** **1.0.0.0**
Description: The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Character_Data_Type	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_characters in DD_Value_Domain

Name: **minimum_characters**			***Version Id:*** **1.0.0.0**
Description: The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Value_Domain	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_characters in DD_Value_Domain_ Full

Name: **minimum_characters**			***Version Id:*** **1.0.0.0**
Description: The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Value_Domain_Full	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_characters in UTF8_Short_String_ Collapsed

Name: **minimum_characters**			***Version Id:*** **1.0.0.0**
Description: The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* UTF8_ Short_String_Collapsed	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	1	Values of UTF8_Short_String_Collapsed must have at least 1 character	

minimum_characters in UTF8_Short_String_Preserved

Name: **minimum_characters**			***Version Id:*** **1.0.0.0**
Description: The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* UTF8_Short_String_Preserved	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	1	Values of UTF8_Short_String_Preserved must have at least 1 character	

minimum_characters in UTF8_String

Name: **minimum_characters**			***Version Id:*** **1.0.0.0**
Description: The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* UTF8_String	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	1	Values of UTF8_String must have at least 1 character	

minimum_characters in UTF8_Text_Preserved

Name: **minimum_characters**			***Version Id:*** **1.0.0.0**
Description: The minimum_characters attribute provides the lower, inclusive bound on the number of characters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* UTF8_Text_Preserved	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	

Name: **minimum_characters**			***Version Id:*** **1.0.0.0**
Permissible Value(s)	*Value*	*Value Meaning*	
	1	Values of UTF8_Text_Preserved must have at least 1 character	

minimum_occurrences in DD_Association

Name: **minimum_occurrences**			***Version Id:*** **1.0.0.0**
Description: The minimum occurrences attribute indicates the number of times something may occur. It is also called the minimum cardinality.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Association	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_occurrences in DD_Association_ External *Deprecated*

Name: **minimum_occurrences**			***Version Id:*** **1.0.0.0**
Description: The minimum occurrences attribute indicates the number of times something may occur. It is also called the minimum cardinality.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Association_External *Deprecated*	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_scaled_value in Object_Statistics

Name: **minimum_scaled_value**			***Version Id:*** **1.0.0.0**
Description: The minimum_scaled_value attribute provides the minimum value after application of scaling_factor and value_offset (see their definitions; minimum_scaled_value is the minimum of Ov).			
Namespace Id: pds	*Steward:* pds	*Class Name:* Object_ Statistics	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Number	*Conceptual Domain:* Real

Name: **minimum_scaled_value**			***Version Id:*** **1.0.0.0**
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_value in ASCII_Date_Time *Deprecated*

Name: **minimum_value**			***Version Id:*** **1.0.0.0**
Description: The minimum_value attribute provides the lower inclusive bound on the value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Date_Time *Deprecated*	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_value in ASCII_Date_Time_DOY

Name: **minimum_value**			***Version Id:*** **1.0.0.0**
Description: The minimum_value attribute provides the lower inclusive bound on the value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Date_Time_DOY	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_value in ASCII_Date_Time_UTC *Deprecated*

Name: **minimum_value**			***Version Id:*** **1.0.0.0**
Description: The minimum_value attribute provides the lower inclusive bound on the value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Date_Time_UTC *Deprecated*	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	

Name: **minimum_value**			***Version Id:*** **1.0.0.0**
Permissible Value(s)	*No Values*		

minimum_value in ASCII_Date_Time_YMD

Name: **minimum_value**			***Version Id:*** **1.0.0.0**
Description: The minimum_value attribute provides the lower inclusive bound on the value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ Date_Time_YMD	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_value in ASCII_Integer

Name: **minimum_value**			***Version Id:*** **1.0.0.0**
Description: The minimum_value attribute provides the lower inclusive bound on the value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ Integer	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_value in ASCII_LID

Name: **minimum_value**			***Version Id:*** **1.0.0.0**
Description: The minimum_value attribute provides the lower inclusive bound on the value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ LID	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_value in ASCII_NonNegative_Integer

Name: **minimum_value**			***Version Id:*** **1.0.0.0**
Description: The minimum_value attribute provides the lower inclusive bound on the value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_NonNegative_Integer	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_value in ASCII_Numeric_Base16

Name: **minimum_value**			***Version Id:*** **1.0.0.0**
Description: The minimum_value attribute provides the lower inclusive bound on the value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Numeric_Base16	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_value in ASCII_Numeric_Base2

Name: **minimum_value**			***Version Id:*** **1.0.0.0**
Description: The minimum_value attribute provides the lower inclusive bound on the value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Numeric_Base2	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_value in ASCII_Real

Name: **minimum_value**			***Version Id:*** **1.0.0.0**
Description: The minimum_value attribute provides the lower inclusive bound on the value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Real	*Type:* ASCII_Short_String_Collapsed

Name: **minimum_value**			***Version Id:*** **1.0.0.0**
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_value in ASCII_Short_String_Collapsed

Name: **minimum_value**			***Version Id:*** **1.0.0.0**
Description: The minimum_value attribute provides the lower inclusive bound on the value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Short_String_Collapsed	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_value in ASCII_Short_String_Preserved

Name: **minimum_value**			***Version Id:*** **1.0.0.0**
Description: The minimum_value attribute provides the lower inclusive bound on the value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Short_String_Preserved	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_value in ASCII_Text_Preserved

Name: **minimum_value**			***Version Id:*** **1.0.0.0**
Description: The minimum_value attribute provides the lower inclusive bound on the value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Text_Preserved	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255

Name: **minimum_value**			***Version Id:*** **1.0.0.0**
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_value in ASCII_Time

Name: **minimum_value**			***Version Id:*** **1.0.0.0**
Description: The minimum_value attribute provides the lower inclusive bound on the value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ Time	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_value in ASCII_VID

Name: **minimum_value**			***Version Id:*** **1.0.0.0**
Description: The minimum_value attribute provides the lower inclusive bound on the value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ VID	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_value in Character_Data_Type

Name: **minimum_value**			***Version Id:*** **1.0.0.0**
Description: The minimum_value attribute provides the lower inclusive bound on the value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Character_Data_Type	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_value in DD_Value_Domain

Name: **minimum_value**			***Version Id:*** **1.0.0.0**
Description: The minimum_value attribute provides the lower inclusive bound on the value.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Value_Domain	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_value in DD_Value_Domain_Full

Name: **minimum_value**			***Version Id:*** **1.0.0.0**
Description: The minimum_value attribute provides the lower inclusive bound on the value.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Value_Domain_Full	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_value in UTF8_Short_String_ Collapsed

Name: **minimum_value**			***Version Id:*** **1.0.0.0**
Description: The minimum_value attribute provides the lower inclusive bound on the value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* UTF8_ Short_String_Collapsed	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_value in UTF8_Short_String_ Preserved

Name: **minimum_value**	***Version Id:*** **1.0.0.0**
Description: The minimum_value attribute provides the lower inclusive bound on the value.	

Name: **minimum_value**			***Version Id:*** **1.0.0.0**
Namespace Id: pds	*Steward:* pds	*Class Name:* UTF8_ Short_String_Preserved	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_value in UTF8_Text_Preserved

Name: **minimum_value**			***Version Id:*** **1.0.0.0**
Description: The minimum_value attribute provides the lower inclusive bound on the value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* UTF8_ Text_Preserved	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

missing_constant in Special_Constants

Name: **missing_constant**			***Version Id:*** **1.0.0.0**
Description: The missing_constant attribute provides a value that indicates the original value was missing, such as due to a gap in coverage.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Special_ Constants	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Constant	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

mission_desc in Mission_PDS3

Name: **mission_desc**			***Version Id:*** **1.0.0.0**
Description: The mission_desc attribute summarizes major aspects of a planetary mission or project, including the number and type of spacecraft, the target body or bodies and major accomplishments.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Mission_ PDS3	*Type:* ASCII_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* None

Name: **mission_desc**			***Version Id:*** **1.0.0.0**
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

mission_name in Mission_PDS3

Name: **mission_name**			***Version Id:*** **1.0.0.0**
Description: The mission_name attribute identifies a major planetary mission or project. A given planetary mission may be associated with one or more spacecraft.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Mission_ PDS3	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

mission_objectives_summary in Mission_ PDS3

Name: **mission_objectives_summary**			***Version Id:*** **1.0.0.0**
Description: The mission_objectives_summary attribute describes the major scientific objectives of a planetary mission or project.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Mission_ PDS3	*Type:* ASCII_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Summary	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

mission_start_date in Mission_PDS3

Name: **mission_start_date**			***Version Id:*** **1.0.0.0**
Description: The mission_start_date attribute provides the date of the beginning of a mission in UTC system format.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Mission_ PDS3	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Time	*Conceptual Domain:* Short_String

Name: **mission_start_date**			***Version Id:*** **1.0.0.0**
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

mission_stop_date in Mission_PDS3

Name: **mission_stop_date**			***Version Id:*** **1.0.0.0**
Description: The mission_stop_date attribute provides the date of the end of a mission in UTC system format.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Mission_ PDS3	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Time	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

model_id in Instrument

Name: **model_id**			***Version Id:*** **1.0.0.0**
Description: The model_id attribute helps discriminate instrument hardware. For example "flight", "engineering", or "proto" have been used.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Instrument	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

model_object_id in Property_Map

Name: **model_object_id**			***Version Id:*** **1.0.0.0**
Description: The model_object_id attribute provides the unique identifier of a class, attribute, or value that is defined in the information model.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Property_ Map	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

model_object_type in Property_Map

Name: **model_object_type**			***Version Id:*** **1.0.0.0**
Description: The model_object_type attribute provides a classification for a modeled object.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Property_ Map	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

modification_date in Modification_Detail

Name: **modification_date**			***Version Id:*** **1.0.0.0**
Description: The modification_date attribute provides date the modifications were completed			
Namespace Id: pds	*Steward:* pds	*Class Name:* Modification_Detail	*Type:* ASCII_Date_ YMD
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Time	*Conceptual Domain:* Time
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

naif_host_id in Instrument_Host

Name: **naif_host_id**			***Version Id:*** **1.0.0.0**
Description: The naif_instrument_id element provides the numeric ID used within the SPICE system to identify the spacecraft, spacecraft structure or science instrument.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Instrument_Host	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

naif_instrument_id in Instrument

Name: **naif_instrument_id**			***Version Id:*** **1.0.0.0**
Description: The naif_instrument_id element provides the numeric ID used within the SPICE system to identify the spacecraft, spacecraft structure or science instrument.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Instrument	*Type:* ASCII_Short_ String_Collapsed

Name: **naif_instrument_id**			***Version Id:*** **1.0.0.0**
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

name in Agency

Name: **name**			***Version Id:*** **1.0.0.0**
Description: The name attribute provides a word or combination of words by which the Agency is known.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Agency	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	European Space Agency	The Agency has name European Space Agency	
	National Aeronautics and Space Administration	The Agency has name National Aeronautics and Space Administration	

name in Byte_Stream

Name: **name**			***Version Id:*** **1.0.0.0**
Description: The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Byte_Stream	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

name in DD_Association_External *Deprecated*

Name: **name**	***Version Id:*** **1.0.0.0**
Description: The name attribute provides a word or combination of words by which the object is known.	

Name: **name**			***Version Id:*** **1.0.0.0**
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Association_External *Deprecated*	*Type:* UTF8_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

name in DD_Attribute

Name: **name**			***Version Id:*** **1.0.0.0**
Description: The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Attribute	*Type:* UTF8_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

name in DD_Attribute_Full

Name: **name**			***Version Id:*** **1.0.0.0**
Description: The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Attribute_Full	*Type:* UTF8_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

name in DD_Attribute_Reference

Name: **name**			***Version Id:*** **1.0.0.0**
Description: The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Attribute_Reference	*Type:* ASCII_Short_ String_Collapsed

Name: **name**			***Version Id:*** **1.0.0.0**
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

name in DD_Class

Name: **name**			***Version Id:*** **1.0.0.0**
Description: The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_Class	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

name in DD_Class_Full

Name: **name**			***Version Id:*** **1.0.0.0**
Description: The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_Class_Full	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

name in DD_Class_Reference

Name: **name**			***Version Id:*** **1.0.0.0**
Description: The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_Class_Reference	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None

Name: **name**			***Version Id:*** **1.0.0.0**
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

name in External_Reference_Extended

Name: **name**			***Version Id:*** **1.0.0.0**
Description: The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	*Steward:* ops	*Class Name:* External_ Reference_Extended	*Type:* UTF8_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

name in Facility

Name: **name**			***Version Id:*** **1.0.0.0**
Description: The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Facility	*Type:* UTF8_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

name in Field

Name: **name**			***Version Id:*** **1.0.0.0**
Description: The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Field	*Type:* UTF8_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

name in Field_Binary

Name: **name**			***Version Id:*** **1.0.0.0**
Description: The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Field_ Binary	*Type:* UTF8_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

name in Field_Bit

Name: **name**			***Version Id:*** **1.0.0.0**
Description: The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Field_Bit	*Type:* UTF8_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

name in Field_Character

Name: **name**			***Version Id:*** **1.0.0.0**
Description: The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Field_ Character	*Type:* UTF8_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

name in Field_Delimited

Name: **name**	***Version Id:*** **1.0.0.0**
Description: The name attribute provides a word or combination of words by which the object is known.	

Name: **name**			***Version Id:*** **1.0.0.0**
Namespace Id: pds	*Steward:* pds	*Class Name:* Field_ Delimited	*Type:* UTF8_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

name in Group

Name: **name**			***Version Id:*** **1.0.0.0**
Description: The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Group	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

name in Ingest_LDD

Name: **name**			***Version Id:*** **1.0.0.0**
Description: The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Ingest_ LDD	*Type:* UTF8_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

name in Instrument

Name: **name**			***Version Id:*** **1.0.0.0**
Description: The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Instrument	*Type:* UTF8_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None

Name: **name**			***Version Id:*** **1.0.0.0**
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

name in Instrument_Host

Name: **name**			***Version Id:*** **1.0.0.0**
Description: The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Instrument_Host	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

name in Investigation

Name: **name**			***Version Id:*** **1.0.0.0**
Description: The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Investigation	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

name in Investigation_Area

Name: **name**			***Version Id:*** **1.0.0.0**
Description: The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Investigation_Area	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

Name: **name**			***Version Id:*** **1.0.0.0**
Extended Value(s) for: pds:Product_ Observational/ pds:Observation_Area/ pds:Investigation_Area	*Value*	*Value Meaning*	
	$name	The value for name is to be provided by software during template processing.	

name in Node

Name: **name**			***Version Id:*** **1.0.0.0**
Description: The name attribute provides a word or combination of words by which the Node is known.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Node	*Type:* UTF8_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Engineering	The Node has name Engineering	
	Geosciences	The Node has name Geosciences	
	Imaging	The Node has name Imaging	
	Management	The Node has name Management	
	Navigation and Ancillary Information Facility	The Node has name Navigation and Ancillary Information Facility	
	Planetary Atmospheres	The Node has name Planetary Atmospheres	
	Planetary Plasma Interactions	The Node has name Planetary Plasma Interactions	
	Planetary Rings	The Node has name Planetary Rings	
	Planetary Science Archive	The Node has name Planetary Science Archive	
	Radio Science	The Node has name Radio Science	
	Small Bodies	The Node has name Small Bodies	

name in Observing_System

Name: **name**			***Version Id:*** **1.0.0.0**
Description: The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Observing_System	*Type:* UTF8_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None

Name: **name**			***Version Id:*** **1.0.0.0**
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		
Extended Value(s) for: pds:Product_ Observational/ pds:Observation_Area/ pds:Observing_System	*Value*	*Value Meaning*	
	$name	The value for name is to be provided by software during template processing.	

name in Observing_System_Component

Name: **name**			***Version Id:*** **1.0.0.0**
Description: The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Observing_System_ Component	*Type:* UTF8_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		
Extended Value(s) for: pds:Product_ Observational/ pds:Observation_ Area/pds:Observing_ System/pds:Observing_ System_Component	*Value*	*Value Meaning*	
	$name	The value for name is to be provided by software during template processing.	

name in PDS_Affiliate

Name: **name**			***Version Id:*** **1.0.0.0**
Description: The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	*Steward:* ops	*Class Name:* PDS_ Affiliate	*Type:* UTF8_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	

Name: **name**			***Version Id:*** **1.0.0.0**
Permissible Value(s)	*No Values*		

name in PDS_Guest

Name: **name**			***Version Id:*** **1.0.0.0**
Description: The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	*Steward:* ops	*Class Name:* PDS_ Guest	*Type:* UTF8_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

name in Quaternion

Name: **name**			***Version Id:*** **1.0.0.0**
Description: The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Quaternion	*Type:* UTF8_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

name in Quaternion_Component

Name: **name**			***Version Id:*** **1.0.0.0**
Description: The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Quaternion_ Component	*Type:* UTF8_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

name in Resource

Name: **name**			***Version Id:*** **1.0.0.0**
Description: The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Resource	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

name in Software

Name: **name**			***Version Id:*** **1.0.0.0**
Description: The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Software	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

name in Target

Name: **name**			***Version Id:*** **1.0.0.0**
Description: The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Target	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

name in Target_Identification

Name: **name**	***Version Id:*** **1.0.0.0**
Description: The name attribute provides a human-readable primary name/identification in the standard format for the target type.	

Name: **name**			***Version Id:*** **1.0.0.0**
Namespace Id: pds	*Steward:* pds	*Class Name:* Target_ Identification	*Type:* UTF8_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		
Extended Value(s) for: pds:Product_ Observational/ pds:Observation_ Area/pds:Target_ Identification	*Value*	*Value Meaning*	
	$name	The value for name is to be provided by software during template processing.	

name in Terminological_Entry

Name: **name**			***Version Id:*** **1.0.0.0**
Description: The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Terminological_Entry	*Type:* UTF8_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

name in Vector

Name: **name**			***Version Id:*** **1.0.0.0**
Description: The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Vector	*Type:* UTF8_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

name in Vector_Component

Name: **name**			***Version Id:*** **1.0.0.0**
Description: The name attribute provides a word or combination of words by which the object is known.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Vector_ Component	*Type:* UTF8_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

namespace_id in DD_Association_External *Deprecated*

Name: **namespace_id**			***Version Id:*** **1.0.0.0**
Description: The namespace_id attribute provides the abbreviation of the XML schema namespace container for this logical grouping of classes and attributes. It is assigned by the steward.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Association_External *Deprecated*	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

namespace_id in DD_Attribute_Full

Name: **namespace_id**			***Version Id:*** **1.0.0.0**
Description: The namespace_id attribute provides the abbreviation of the XML schema namespace container for this logical grouping of classes and attributes. It is assigned by the steward.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Attribute_Full	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

namespace_id in DD_Attribute_Reference

Name: **namespace_id**			***Version Id:*** **1.0.0.0**
Description: The namespace_id attribute provides the abbreviation of the XML schema namespace container for this logical grouping of classes and attributes. It is assigned by the steward.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Attribute_Reference	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

namespace_id in DD_Class_Full

Name: **namespace_id**			***Version Id:*** **1.0.0.0**
Description: The namespace_id attribute provides the abbreviation of the XML schema namespace container for this logical grouping of classes and attributes. It is assigned by the steward.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Class_Full	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

namespace_id in DD_Class_Reference

Name: **namespace_id**			***Version Id:*** **1.0.0.0**
Description: The namespace_id attribute provides the abbreviation of the XML schema namespace container for this logical grouping of classes and attributes. It is assigned by the steward.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Class_Reference	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

namespace_id in Ingest_LDD

Name: **namespace_id**	***Version Id:*** **1.0.0.0**
Description: The namespace_id attribute provides the abbreviation of the XML schema namespace container for this logical grouping of classes and attributes. It is assigned by the steward.	

Name: **namespace_id**			***Version Id:*** **1.0.0.0**
Namespace Id: pds	*Steward:* ops	*Class Name:* Ingest_ LDD	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

namespace_id in Property_Maps

Name: **namespace_id**			***Version Id:*** **1.0.0.0**
Description: The namespace_id attribute provides the abbreviation of the XML schema namespace container for this logical grouping of classes and attributes. It is assigned by the steward.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Property_ Maps	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

nil_reason in Symbolic_Literals_PDS

Name: **nil_reason**			***Version Id:*** **1.0.0.0**
Description: The nil_reason attribute provides the permissible values allowed as reasons when an attribute assigned a nil value.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Symbolic_Literals_ PDS	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	anticipated	The value is temporarily not available.	
	inapplicable	There is no value.	
	missing	The correct value is not readily available to the sender of this data. However, a correct value probably exists.	
	unknown	The correct value is not readily available to the sender of this data. Furthermore, a correct value may not exist.	

nillable_flag in DD_Attribute

Name: **nillable_flag**			***Version Id:*** **1.0.0.0**
Description: The nillable_flag attribute indicates whether an attribute is allowed to take on nil as a value.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Attribute	*Type:* ASCII_Boolean
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Flag	*Conceptual Domain:* Boolean
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

nillable_flag in DD_Attribute_Full

Name: **nillable_flag**			***Version Id:*** **1.0.0.0**
Description: The nillable_flag attribute indicates whether an attribute is allowed to take on nil as a value.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Attribute_Full	*Type:* ASCII_Boolean
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Flag	*Conceptual Domain:* Boolean
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

not_applicable_constant in Special_ Constants

Name: **not_applicable_constant**			***Version Id:*** **1.0.0.0**
Description: The not_applicable_constant attribute provides a value that indicates the parameter is not applicable.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Special_ Constants	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Constant	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

nssdc_collection_id in NSSDC

Name: **nssdc_collection_id**			***Version Id:*** **1.0.0.0**
Description: An NSSDC Collection ID is an NSSDC assigned identifier for a collection of PDS datasets.			
Namespace Id: pds	*Steward:* ops	*Class Name:* NSSDC	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

object_length in Encoded_Byte_Stream

Name: **object_length**			***Version Id:*** **1.0.0.0**
Description: The object_length attribute provides the length of the digital object in bytes.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Encoded_Byte_Stream	*Type:* ASCII_Integer
Minimum Value: 1	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Storage	*Default Unit Id:* byte	*Attribute Concept:* Length	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

object_length in Header

Name: **object_length**			***Version Id:*** **1.0.0.0**
Description: The object_length attribute provides the length of the digital object in bytes.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Header	*Type:* ASCII_Integer
Minimum Value: 1	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Storage	*Default Unit Id:* byte	*Attribute Concept:* Length	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

object_length in Parsable_Byte_Stream

Name: **object_length**			***Version Id:*** **1.0.0.0**
Description: The object_length attribute provides the length of the digital object in bytes.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Parsable_Byte_Stream	*Type:* ASCII_Integer

Name: **object_length**			***Version Id:*** **1.0.0.0**
Minimum Value: 1	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Storage	*Default Unit Id:* byte	*Attribute Concept:* Length	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

offset in Array

Name: **offset**			***Version Id:*** **1.0.0.0**
Description: The offset attribute provides the displacement of the object starting position from the beginning of the parent structure (file, record, etc.). If there is no displacement, offset=0.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Array	*Type:* ASCII_Integer
Minimum Value: 0	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Storage	*Default Unit Id:* byte	*Attribute Concept:* Offset	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

offset in Encoded_Byte_Stream

Name: **offset**			***Version Id:*** **1.0.0.0**
Description: The offset attribute provides the displacement of the object starting position from the beginning of the parent structure (file, record, etc.). If there is no displacement, offset=0.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Encoded_ Byte_Stream	*Type:* ASCII_Integer
Minimum Value: 0	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Storage	*Default Unit Id:* byte	*Attribute Concept:* Offset	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

offset in Parsable_Byte_Stream

Name: **offset**			***Version Id:*** **1.0.0.0**
Description: The offset attribute provides the displacement of the object starting position from the beginning of the parent structure (file, record, etc.). If there is no displacement, offset=0.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Parsable_ Byte_Stream	*Type:* ASCII_Integer
Minimum Value: 0	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Storage	*Default Unit Id:* byte	*Attribute Concept:* Offset	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	

Name: **offset**			***Version Id:*** **1.0.0.0**
Permissible Value(s)	*No Values*		

offset in Table_Base

Name: **offset**			***Version Id:*** **1.0.0.0**
Description: The offset attribute provides the displacement of the object starting position from the beginning of the parent structure (file, record, etc.). If there is no displacement, offset=0.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Table_ Base	*Type:* ASCII_Integer
Minimum Value: 0	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Storage	*Default Unit Id:* byte	*Attribute Concept:* Offset	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

orbit_direction in Target_PDS3

Name: **orbit_direction**			***Version Id:*** **1.0.0.0**
Description: The orbit_direction element provides the direction of movement along the orbit about the primary as seen from the north pole of the 'invariable plane of the solar system', which is the plane passing through the center of mass of the solar system and perpendicular to the angular momentum vector of the solar system orbit motion. PROGRADE for positive rotation according to the right-hand rule, RETROGRADE for negative rotation.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Target_ PDS3	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Direction	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

original_band in Band_Bin *Deprecated*

Name: **original_band**			***Version Id:*** **1.0.0.0**
Description: The original_band attribute of a spectral qube provides the sequence of band numbers in the qube relative to some original qube. In the original qube, the values are just consecutive integers beginning with 1. In a qube which contains a subset of the bands in the original qube, the values are the original sequence numbers from that qube.			
Namespace Id: pds	*Steward:* img	*Class Name:* Band_Bin *Deprecated*	*Type:* ASCII_Integer
Minimum Value: 1	*Maximum Value:* 512	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	

Name: **original_band**			***Version Id:*** **1.0.0.0**
Permissible Value(s)	*No Values*		

os_version in Software_Binary

Name: **os_version**			***Version Id:*** **1.0.0.0**
Description: The OS version attribute indicates the version of an operating system.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Software_ Binary	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

os_version in Software_Source

Name: **os_version**			***Version Id:*** **1.0.0.0**
Description: The OS version attribute indicates the version of an operating system.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Software_ Source	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

parsing_standard_id in Checksum_Manifest

Name: **parsing_standard_id**			***Version Id:*** **1.0.0.0**
Description: The parsing_standard_id attribute provides the formal name of a standard used for the structure of a Parsable Byte Stream digital object.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Checksum_Manifest	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	MD5Deep 4.n	The checksum manifest is governed by the Message-Digest Algorithm (MD5) output of the MD5 Deep Package Version 4.n (see http://md5deep.sourceforge.net/).	

parsing_standard_id in Header

Name: **parsing_standard_id**			***Version Id:*** **1.0.0.0**
Description: The parsing_standard_id attribute provides the formal name of a standard used for the structure of a Parsable Byte Stream digital object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Header	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	7-Bit ASCII Text	The Header contains simple text using only the 7-Bit ASCII character set. ANSI X3.4-1986.	
	CDF 3.4 ISTP/IACG	The Header is governed by Version 3.4 of the CDF format specification, the ISTP/IACG guidelines and PDS constraints.	
	FITS 3.0	The Header is governed by the standard Flexible Image Transport System (FITS), Version 3.0.	
	ISIS2	The Header is governed by the standard Integrated Software for Imagers and Spectrometers (ISIS), USGS Astrogeology Isis Cube, Version 2.	
	ISIS2 History Label	An ISIS history label contains text information that records the sequence of processing operations that created an ISIS file. A description of the format of the label is available in section 5.2 of the ISIS2 Overview documentation.	
	ISIS3	The Header is governed by the standard Integrated Software for Imagers and Spectrometers (ISIS), USGS Astrogeology ISIS Cube, Version 3.	
	PDS DSV 1	The format is delimiter separated value (DSV); see Standards Reference section 4C.1.	
	PDS ODL 2	The Header is governed by the standard Planetary Data System (PDS) Object Description Language (ODL), Version 2.n.	
	PDS3	The Header is governed by the Planetary Data System (PDS) Data Standards Version 3.n.	
	Pre-PDS3	The Header is governed by Planetary Data System (PDS) Data Standards prior to Version 3.0.	
	UTF-8 Text	The Header contains simple text using UTF-8 Unicode character encodings. RFC 3629.	
	VICAR1	The Header is governed by the standard Video Image Communication And Retrieval (VICAR).	

Name: **parsing_standard_id**			***Version Id:*** **1.0.0.0**
	VICAR2	The Header is governed by the standard Video Image Communication And Retrieval (VICAR).	

parsing_standard_id in Parsable_Byte_Stream

Name: **parsing_standard_id**			***Version Id:*** **1.0.0.0**
Description: The parsing_standard_id attribute provides the formal name of a standard used for the structure of a Parsable Byte Stream digital object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Parsable_Byte_Stream	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

parsing_standard_id in SPICE_Kernel

Name: **parsing_standard_id**			***Version Id:*** **1.0.0.0**
Description: The parsing_standard_id attribute provides the formal name of a standard used for the structure of a Parsable Byte Stream digital object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* SPICE_Kernel	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	SPICE	The SPICE_Kernel conforms to standards used within the NAIF/SPICE system of data files (kernels) and software; see http://naif.jpl.nasa.gov/pub/naif/toolkit_docs/Tutorials/pdf/individual_docs/04_spice_overview.pdf	

parsing_standard_id in Service_Description

Name: **parsing_standard_id**			***Version Id:*** **1.0.0.0**
Description: The parsing_standard_id attribute provides the formal name of a standard used for the structure of a Parsable Byte Stream digital object.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Service_Description	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None

Name: **parsing_standard_id**			***Version Id:*** **1.0.0.0**
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	WADL	The service is governed by the standard Web Application Description Language (WADL).	
	WSDL 2.n	The service is governed by the standard Web Services Description Language (WSDL) Version 2.n.	

parsing_standard_id in Table_Delimited

Name: **parsing_standard_id**			***Version Id:*** **1.0.0.0**
Description: The parsing_standard_id attribute provides the formal name of a standard used for the structure of a Parsable Byte Stream digital object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Table_ Delimited	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	PDS DSV 1	The table format conforms to the PDS4 Standards Reference section "Parsable Bytes Stream"	

parsing_standard_id in XML_Schema

Name: **parsing_standard_id**			***Version Id:*** **1.0.0.0**
Description: The parsing_standard_id attribute provides the formal name of a standard used for the structure of a Parsable Byte Stream digital object.			
Namespace Id: pds	*Steward:* pds	*Class Name:* XML_ Schema	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Schematron ISO/IEC 19757-3:2006	Schematron files are governed by the standard for Schematron (see http://www.iso.org/iso/catalogue_detail.htm?csnumber=40833)	
	XML Schema Version 1.1	XML_Schema is governed by the standard for XML Schema 1.1 (see http://www.w3.org/XML/Schema)	

pattern in ASCII_DOI

Name: **pattern**			***Version Id:*** **1.0.0.0**
Description: The pattern attribute provides a symbolic instruction for forming values.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ DOI	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Pattern	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	10\.\S+/\S+	The Digital Object Identifier (DOI) is expressed as the decimal number "10." followed by a character string followed by a forward slash "/" followed by another character string. The format and its use are specified by the International DOI Federation (see http://www.doi.org).	

pattern in ASCII_Date *Deprecated*

Name: **pattern**			***Version Id:*** **1.0.0.0**
Description: The pattern attribute provides a symbolic instruction for forming values.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ Date *Deprecated*	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Pattern	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	(-)?[0-9]{4}		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6]))))		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))		

pattern in ASCII_Date_DOY

Name: **pattern**			***Version Id:*** **1.0.0.0**
Description: The pattern attribute provides a symbolic instruction for forming values.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ Date_DOY	*Type:* ASCII_Short_ String_Collapsed

Name: **pattern**			***Version Id:*** **1.0.0.0**
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Pattern	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	(-)?[0-9]{4}(Z?)		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6])))(Z?)		

pattern in ASCII_Date_Time *Deprecated*

Name: **pattern**			***Version Id:*** **1.0.0.0**
Description: The pattern attribute provides a symbolic instruction for forming values.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Date_Time *Deprecated*	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Pattern	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	(-)?[0-9]{4}		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6]))))		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6]))))(T)(([0-1][0-9])|(2[0-3])):[0-5][0-9](Z)?		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6]))))(T)(([0-1][0-9])|(2[0-3])):[0-5][0-9]:(([0-5][0-9])|60)(\.([0-9]{1,4}))?(Z)?		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6]))))(T)(([0-1][0-9])|(2[0-4]))(Z)?		

Name: **pattern**			***Version Id:*** **1.0.0.0**
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6])))) (T)24:00((:00((\.0+)?))?)(Z)?		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1])) (T)(([0-1][0-9])|(2[0-3])):[0-5][0-9](Z)?		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1])) (T)(([0-1][0-9])|(2[0-3])):[0-5][0-9]:(([0-5][0-9])|60)(\.([0-9]{1,4}))?(Z)?		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1])) (T)(([0-1][0-9])|(2[0-4]))(Z)?		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1])) (T)24:00((:00((\.0+)?))?)(Z)?		

pattern in ASCII_Date_Time_DOY

Name: **pattern**			***Version Id:*** **1.0.0.0**
Description: The pattern attribute provides a symbolic instruction for forming values.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Date_Time_DOY	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Pattern	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	(-)?[0-9]{4}(Z?)		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5]		

Name: **pattern**			***Version Id:*** **1.0.0.0**
	[0-9])|(6[0-6]))))(T)(([0-1][0-9])|(2[0-3])):[0-5][0-9](Z?)		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6]))))(T)(([0-1][0-9])|(2[0-3])):[0-5][0-9]:(([0-5][0-9])|60)(\.([0-9]{1,4}))?(Z?)		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6]))))(T)(([0-1][0-9])|(2[0-4]))(Z?)		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6]))))(T)24((:00)|(:00:00))?(Z?)		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6]))))(T)24:00:00(\.([0]{1,4}))(Z?)		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6]))))(Z?)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(T)(([0-1][0-9])|(2[0-3])):[0-5][0-9](Z?)		

pattern in ASCII_Date_Time_DOY_UTC

Name: **pattern**			***Version Id:*** **1.0.0.0**
Description: The pattern attribute provides a symbolic instruction for forming values.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Date_Time_DOY_UTC	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	

Name: **pattern**			***Version Id:*** **1.0.0.0**
	(-)?[0-9]{4}(Z)		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6])))(T)(([0-1][0-9])|(2[0-3])):[0-5][0-9](Z)		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6])))(T)(([0-1][0-9])|(2[0-3])):[0-5][0-9]:(([0-5][0-9])|60)(\.([0-9]{1,4}))?(Z)		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6])))(T)(([0-1][0-9])|(2[0-4]))(Z)		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6]))))(T)24((:00)|(:00:00))?(Z)		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6]))))(T)24:00:00(\.([0]{1,4}))(Z)		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6])))(Z)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(T)(([0-1][0-9])|(2[0-3])):[0-5][0-9](Z)		

pattern in ASCII_Date_Time_UTC *Deprecated*

Name: **pattern**			***Version Id:*** **1.0.0.0**
Description: The pattern attribute provides a symbolic instruction for forming values.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Date_Time_UTC *Deprecated*	*Type:* ASCII_Short_String_Collapsed

Name: **pattern**			***Version Id:*** **1.0.0.0**
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Pattern	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	(-)?[0-9]{4}(Z)		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6])))(T)(([0-1][0-9])|(2[0-3])):[0-5][0-9](Z)		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6])))(T)(([0-1][0-9])|(2[0-3])):[0-5][0-9]:(([0-5][0-9])|60)(\.([0-9]{1,4}))?(Z)		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6])))(T)(([0-1][0-9])|(2[0-4]))(Z)		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6]))))(T)24:00((:00((\.0+)?))?)(Z)		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6]))))(Z)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))(Z)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(T)(([0-1][0-9])|(2[0-3])):[0-5][0-9](Z)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(T)(([0-1][0-9])|(2[0-3])):[0-5][0-9]:(([0-5][0-9])|60)(\.([0-9]{1,4}))?(Z)		

Name: **pattern**			***Version Id:*** **1.0.0.0**
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(T)(([0-1][0-9])|(2[0-4]))(Z)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(T)24:00((:00((\.0+)?))?)(Z)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(Z)		

pattern in ASCII_Date_Time_YMD

Name: **pattern**			***Version Id:*** **1.0.0.0**
Description: The pattern attribute provides a symbolic instruction for forming values.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Date_Time_YMD	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Pattern	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	(-)?[0-9]{4}(Z?)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))(Z?)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(T)(([0-1][0-9])|(2[0-3]))(Z?)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(T)(([0-1][0-9])|(2[0-3])):[0-5][0-9](Z?)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(T)(([0-1][0-9])|(2[0-3])):[0-5][0-9]:(([0-5][0-9])|60)(\.([0-9]{1,4}))?(Z?)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))		

Name: **pattern**			***Version Id:*** **1.0.0.0**
	(T)24((:00)|(:00:00))?(Z?)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(T)24:00:00(\.([0]{1,4}))(Z?)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(Z?)		

pattern in ASCII_Date_Time_YMD_UTC

Name: **pattern**			***Version Id:*** **1.0.0.0**
Description: The pattern attribute provides a symbolic instruction for forming values.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Date_Time_YMD_UTC	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	(-)?[0-9]{4}(Z)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))(Z)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(T)(([0-1][0-9])|(2[0-3]))(Z)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(T)(([0-1][0-9])|(2[0-3])):[0-5][0-9](Z)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(T)(([0-1][0-9])|(2[0-3])):[0-5][0-9]:(([0-5][0-9])|60)(\.([0-9]{1,4}))?(Z)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(T)24((:00)|(:00:00))?(Z)		

Name: **pattern**			***Version Id:*** **1.0.0.0**
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(T)24:00:00(\.([0]{1,4}))(Z)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(Z)		

pattern in ASCII_Date_YMD

Name: **pattern**			***Version Id:*** **1.0.0.0**
Description: The pattern attribute provides a symbolic instruction for forming values.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Date_YMD	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Pattern	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	(-)?[0-9]{4}(Z?)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))(Z?)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(Z?)		

pattern in ASCII_LID

Name: **pattern**			***Version Id:*** **1.0.0.0**
Description: The pattern attribute provides a symbolic instruction for forming values.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_LID	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Pattern	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

pattern in ASCII_MD5_Checksum

Name: **pattern**	***Version Id:*** **1.0.0.0**
Description: The pattern attribute provides a symbolic instruction for forming values.	

Name: **pattern**			***Version Id:*** **1.0.0.0**
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ MD5_Checksum	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Pattern	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	[0-9a-fA-F]{32}		

pattern in ASCII_Numeric_Base16

Name: **pattern**			***Version Id:*** **1.0.0.0**
Description: The pattern attribute provides a symbolic instruction for forming values.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ Numeric_Base16	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Pattern	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

pattern in ASCII_Numeric_Base2

Name: **pattern**			***Version Id:*** **1.0.0.0**
Description: The pattern attribute provides a symbolic instruction for forming values.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ Numeric_Base2	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Pattern	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	[0-1]{1,255}	Values of ASCII_Numeric_Base2 are constructed from 1-255 characters, each of which is either 0 or 1	

pattern in ASCII_Numeric_Base8

Name: **pattern**			***Version Id:*** **1.0.0.0**
Description: The pattern attribute provides a symbolic instruction for forming values.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ Numeric_Base8	*Type:* ASCII_Short_ String_Collapsed

Name: **pattern**			***Version Id:*** **1.0.0.0**
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Pattern	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	[0-7]{1,255}	Values of ASCII_Numeric_Base8 are constructed from 1-255 characters, each of which is a digit in the range 0-7	

pattern in ASCII_Time

Name: **pattern**			***Version Id:*** **1.0.0.0**
Description: The pattern attribute provides a symbolic instruction for forming values.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ Time	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Pattern	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	(([0-1][0-9])|(2[0-3])): [0-5][0-9](Z?)		
	(([0-1][0-9])|(2[0-3])): [0-5][0-9]:(([0-5][0-9])|60)((\.[0-9]+)|)(Z?)		
	(([0-1][0-9])|(2[0-4])) (Z?)		
	24:00((:00((\.0+)|))|) (Z?)		

pattern in ASCII_VID

Name: **pattern**			***Version Id:*** **1.0.0.0**
Description: The pattern attribute provides a symbolic instruction for forming values.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ VID	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Pattern	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	0\.([1-9]|([0-9][0-9]+))		
	[1-9][0-9]*		

Name: **pattern**			***Version Id:*** **1.0.0.0**
	[1-9][0-9]*\.[0-9]+		

pattern in Character_Data_Type

Name: **pattern**			***Version Id:*** **1.0.0.0**
Description: The pattern attribute provides a symbolic instruction for forming values.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Character_Data_Type	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Pattern	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

pattern in DD_Value_Domain

Name: **pattern**			***Version Id:*** **1.0.0.0**
Description: The pattern attribute provides a symbolic instruction for forming values.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_Value_Domain	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Pattern	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

pattern in DD_Value_Domain_Full

Name: **pattern**			***Version Id:*** **1.0.0.0**
Description: The pattern attribute provides a symbolic instruction for forming values.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_Value_Domain_Full	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Pattern	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

phone_book_flag in PDS_Affiliate

Name: **phone_book_flag**	***Version Id:*** **1.0.0.0**
Description: The phone_book_flag attribute indicates whether or not this person should be included in the phone book.	

Name: **phone_book_flag**			***Version Id:*** **1.0.0.0**
Namespace Id: pds	*Steward:* ops	*Class Name:* PDS_ Affiliate	*Type:* ASCII_Boolean
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Flag	*Conceptual Domain:* Boolean
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

postal_address_text in PDS_Affiliate

Name: **postal_address_text**			***Version Id:*** **1.0.0.0**
Description: The postal address text attribute provides a mailing address.			
Namespace Id: pds	*Steward:* ops	*Class Name:* PDS_ Affiliate	*Type:* ASCII_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Text	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

preferred_flag in Terminological_Entry

Name: **preferred_flag**			***Version Id:*** **1.0.0.0**
Description: The preferred_flag indicates whether this entry is preferred over all other entries.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Terminological_Entry	*Type:* ASCII_Boolean
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Flag	*Conceptual Domain:* Boolean
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

primary_body_name in Target_PDS3

Name: **primary_body_name**			***Version Id:*** **1.0.0.0**
Description: The primary_body_name attribute identifies the primary body with which a given target body is associated as a secondary body.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Target_ PDS3	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String

Name: **primary_body_name**			***Version Id:*** **1.0.0.0**
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

processing_level in Primary_Result_ Summary

Name: **processing_level**			***Version Id:*** **1.0.0.0**
Description: The processing_level attribute provides a broad classification of data processing level.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Primary_ Result_Summary	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Calibrated	Data converted to physical units, which makes values independent of the instrument.	
	Derived	Results that have been distilled from one or more calibrated data products (for example, maps, gravity or magnetic fields, or ring particle size distributions). Supplementary data, such as calibration tables or tables of viewing geometry, used to interpret observational data should also be classified as 'derived' data if not easily matched to one of the other three categories.	
	Partially Processed	Data that have been processed beyond the raw stage but which have not yet reached calibrated status.	
	Raw	Original data from an instrument. If compression, reformatting, packetization, or other translation has been applied to facilitate data transmission or storage, those processes will be reversed so that the archived data are in a PDS approved archive format.	
	Telemetry	An encoded byte stream used to transfer data from one or more instruments to temporary storage where the raw instrument data will be extracted.	

processing_level_id in Primary_Result_ Summary *Deprecated*

Name: **processing_level_id *Deprecated***			***Version Id:*** **1.0.0.0**
Description: The processing_level_id attribute provides a broad indication of data processing level.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Primary_ Result_Summary	*Type:* ASCII_Short_ String_Collapsed

Name: **processing_level_id *Deprecated***			***Version Id:*** **1.0.0.0**
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Deprecated	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Calibrated	Data converted to physical units, which makes values independent of the instrument.	
	Derived	Results that have been distilled from one or more calibrated data products (for example, maps, gravity or magnetic fields, or ring particle size distributions). Supplementary data, such as calibration tables or tables of viewing geometry, used to interpret observational data should also be classified as 'derived' data if not easily matched to one of the other three non-telemetry categories.	
	Partially Processed	Data that have been processed beyond the raw stage but which have not yet reached calibrated status.	
	Raw	Original data from an instrument. If compression, reformatting, packetization, or other translation has been applied to facilitate data transmission or storage, those processes will be reversed so that the archived data are in a PDS approved archive format.	
	Telemetry	An encoded byte stream used to transfer data from one or more instruments to temporary storage where the raw instrument data will be extracted.	

producer_full_name in Data_Set_PDS3

Name: **producer_full_name**			***Version Id:*** **1.0.0.0**
Description: The producer_full_name attribute provides the full_name of the individual mainly responsible for the production of the data set. This individual does not have to be registered with the PDS.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Data_Set_PDS3	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

product_class in Identification_Area

Name: **product_class**			***Version Id:*** **1.0.0.0**
Description: The product_class attribute provides the name of the product class.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Identification_Area	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Product_AIP	This is a product that is described by the class definition Product_AIP	
	Product_Attribute_Definition	This is a product that is described by the class definition Product_Attribute_Definition	
	Product_Browse	This is a product that is described by the class definition Product_Browse	
	Product_Bundle	This is a product that is described by the class definition Product_Bundle	
	Product_Class_Definition	This is a product that is described by the class definition Product_Class_Definition	
	Product_Collection	This is a product that is described by the class definition Product_Collection	
	Product_Context	This is a product that is described by the class definition Product_Context	
	Product_DIP	This is a product that is described by the class definition Product_DIP	
	Product_DIP_Deep_Archive	This is a product that is described by the class definition Product_DIP_Deep_Archive	
	Product_Data_Set_PDS3	This is a product that is described by the class definition Product_Data_Set_PDS3	
	Product_Document	This is a product that is described by the class definition Product_Document	
	Product_File_Repository	This is a product that is described by the class definition Product_File_Repository	
	Product_File_Text	This is a product that is described by the class definition Product_File_Text	
	Product_Instrument_Host_PDS3	This is a product that is described by the class definition Product_Instrument_Host_PDS3	
	Product_Instrument_PDS3	This is a product that is described by the class definition Product_Instrument_PDS3	
	Product_Mission_PDS3	This is a product that is described by the class definition Product_Mission_PDS3	
	Product_Native	This is a product that is described by the class definition Product_Native	
	Product_Observational	This is a product that is described by the class definition Product_Observational	

Name: **product_class**			***Version Id:*** **1.0.0.0**
	Product_Proxy_PDS3	This is a product that is described by the class definition Product_Proxy_PDS3	
	Product_SIP	This is a product that is described by the class definition Product_SIP	
	Product_SIP_Deep_ Archive	This is a product that is described by the class definition Product_SIP_Deep_Archive	
	Product_SPICE_Kernel	This is a product that is described by the class definition Product_SPICE_Kernel	
	Product_Service	This is a product that is described by the class definition Product_Service	
	Product_Software	This is a product that is described by the class definition Product_Software	
	Product_Subscription_ PDS3	This is a product that is described by the class definition Product_Subscription_PDS3	
	Product_Target_PDS3	This is a product that is described by the class definition Product_Target_PDS3	
	Product_Thumbnail	This is a product that is described by the class definition Product_Thumbnail	
	Product_Update	This is a product that is described by the class definition Product_Update	
	Product_Volume_ PDS3	This is a product that is described by the class definition Product_Volume_PDS3	
	Product_Volume_Set_ PDS3	This is a product that is described by the class definition Product_Volume_Set_PDS3	
	Product_XML_Schema	This is a product that is described by the class definition Product_XML_Schema	
	Product_Zipped	This is a product that is described by the class definition Product_Zipped	

program_notes_id in Software_Binary

Name: **program_notes_id**			***Version Id:*** **1.0.0.0**
Description: The program notes id attribute provides an identifier to a brief statement giving particulars about a software program.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Software_ Binary	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

program_notes_id in Software_Source

Name: **program_notes_id**			***Version Id:*** **1.0.0.0**
Description: The program notes id attribute provides an identifier to a brief statement giving particulars about a software program.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Software_ Source	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

programmers_manual_id in Software

Name: **programmers_manual_id**			***Version Id:*** **1.0.0.0**
Description: The programmers manual id attribute provides an identifier to a document giving instruction about the programming of the software.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Software	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

property_name in Property_Map_Entry

Name: **property_name**			***Version Id:*** **1.0.0.0**
Description: The property name attribute provides a word or a combination of words by which a property is known.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Property_ Map_Entry	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

property_value in Property_Map_Entry

Name: **property_value**	***Version Id:*** **1.0.0.0**
Description: The property value attribute provides the value assigned to a property.	

Name: **property_value**			***Version Id:*** **1.0.0.0**
Namespace Id: pds	*Steward:* ops	*Class Name:* Property_ Map_Entry	*Type:* ASCII_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

provider_site_id in SIP_Deep_Archive

Name: **provider_site_id**			***Version Id:*** **1.0.0.0**
Description: The provider site id attribute provides an identifier for the provider.			
Namespace Id: pds	*Steward:* ops	*Class Name:* SIP_ Deep_Archive	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

publication_date in Document

Name: **publication_date**			***Version Id:*** **1.0.0.0**
Description: The publication_date attribute provides the date on which an item was published.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Document	*Type:* ASCII_Date_ YMD
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Time	*Conceptual Domain:* Time
Status: Active	*Nillable:* true	*Pattern:* None	
Permissible Value(s)	*No Values*		

publication_date in Volume_PDS3

Name: **publication_date**			***Version Id:*** **1.0.0.0**
Description: The publication_date attribute provides the date on which an item was published.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Volume_ PDS3	*Type:* ASCII_Date_ YMD
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Time	*Conceptual Domain:* Time
Status: Active	*Nillable:* true	*Pattern:* None	

Name: **publication_date**			***Version Id:*** **1.0.0.0**
Permissible Value(s)	*No Values*		

publication_year in Citation_Information

Name: **publication_year**			***Version Id:*** **1.0.0.0**
Description: The publication_year attribute provides the year in which the product should be considered as published. Generally, this will be the year the data were declared "Certified" or "Archived".			
Namespace Id: pds	*Steward:* pds	*Class Name:* Citation_ Information	*Type:* ASCII_Date_ YMD
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Time	*Conceptual Domain:* Time
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

purpose in Primary_Result_Summary

Name: **purpose**			***Version Id:*** **1.0.0.0**
Description: The purpose attribute provides an indication of the primary purpose of the observations included.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Primary_ Result_Summary	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Calibration	Data collected to determine the relationship between measurement values and physical units.	
	Checkout	Data collected during operational tests	
	Engineering	Data collected about support systems and structures, which are ancillary to the primary measurements.	
	Navigation	Data collected to support navigation	
	Science	Data collected primarily to answer questions about the targets of the investigation.	

record_delimiter in Stream_Text

Name: **record_delimiter**	***Version Id:*** **1.0.0.0**
Description: The record_delimiter attribute provides the character or characters used to indicate the end of a record.	

Name: **record_delimiter**			***Version Id:*** **1.0.0.0**
Namespace Id: pds	*Steward:* pds	*Class Name:* Stream_ Text	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Delimiter	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Carriage-Return Line-Feed	Records in the delimited table are delimited by ASCII carriage-return line-feed pairs (0x0D_0x0A)	
	carriage-return line-feed - *Deprecated*	Records in the stream text are delimited by ASCII carriage-return line-feed pairs (0x0D0x0A)	

record_delimiter in Table_Binary

Name: **record_delimiter**			***Version Id:*** **1.0.0.0**
Description: The record_delimiter attribute provides the character or characters used to indicate the end of a record.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Table_ Binary	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Delimiter	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

record_delimiter in Table_Character

Name: **record_delimiter**			***Version Id:*** **1.0.0.0**
Description: The record_delimiter attribute provides the character or characters used to indicate the end of a record.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Table_ Character	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Delimiter	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Carriage-Return Line-Feed	Records in the delimited table are delimited by ASCII carriage-return line-feed pairs (0x0D_0x0A)	

Name: **record_delimiter**			***Version Id:*** **1.0.0.0**
	carriage-return line-feed - *Deprecated*	Records in the character table are delimited by ASCII carriage-return line-feed pairs (0x0D0x0A)	

record_delimiter in Table_Delimited

Name: **record_delimiter**			***Version Id:*** **1.0.0.0**
Description: The record_delimiter attribute provides the character or characters used to indicate the end of a record.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Table_ Delimited	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Delimiter	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Carriage-Return Line-Feed	Records in the delimited table are delimited by ASCII carriage-return line-feed pairs (0x0D_0x0A)	
	carriage-return line-feed - *Deprecated*	Records in the delimited table are delimited by ASCII carriage-return line-feed pairs (0x0D0x0A)	

record_length in Record_Binary

Name: **record_length**			***Version Id:*** **1.0.0.0**
Description: The record_length attribute provides the length of a record, including a record delimiter, if present.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Record_ Binary	*Type:* ASCII_Integer
Minimum Value: 1	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Storage	*Default Unit Id:* byte	*Attribute Concept:* Length	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

record_length in Record_Character

Name: **record_length**			***Version Id:*** **1.0.0.0**
Description: The record_length attribute provides the length of a record, including the record delimiter.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Record_ Character	*Type:* ASCII_Integer
Minimum Value: 1	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None

Name: **record_length**			***Version Id:*** **1.0.0.0**
Unit of Measure Type: Units_of_Storage	*Default Unit Id:* byte	*Attribute Concept:* Length	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

records in File

Name: **records**			***Version Id:*** **1.0.0.0**
Description: The records attribute provides a count of records.			
Namespace Id: pds	*Steward:* pds	*Class Name:* File	*Type:* ASCII_Integer
Minimum Value: 1	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

records in Table_Base

Name: **records**			***Version Id:*** **1.0.0.0**
Description: The records attribute provides a count of records.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Table_ Base	*Type:* ASCII_Integer
Minimum Value: 1	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

records in Table_Delimited

Name: **records**			***Version Id:*** **1.0.0.0**
Description: The records attribute provides a count of records.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Table_ Delimited	*Type:* ASCII_Integer
Minimum Value: 1	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

reference_frame_id in Vector

Name: **reference_frame_id**			***Version Id:*** **1.0.0.0**
Description: The reference frame id attribute identifies a reference frame, an origin and set of axes, the physical realization of a reference system, i.e., the reference frame orientation and axes are established by the reported coordinates of datum points in the reference system.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Vector	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* true	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	ICRF	International celestial reference frame	
	MOON_ME_DE421	Moon mean Earth based on JPL DE421	

reference_frame_id in Vector_Cartesian_3

Name: **reference_frame_id**			***Version Id:*** **1.0.0.0**
Description: The reference frame id attribute identifies a reference frame, an origin and set of axes, the physical realization of a reference system, i.e., the reference frame orientation and axes are established by the reported coordinates of datum points in the reference system.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Vector_Cartesian_3	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	ICRF	International celestial reference frame	
	MOON_ME_DE421	Moon mean Earth based on JPL DE421	

reference_text in External_Reference

Name: **reference_text**			***Version Id:*** **1.0.0.0**
Description: The reference_text attribute provides a complete bibliographic citation for a published work.			
Namespace Id: pds	*Steward:* pds	*Class Name:* External_Reference	*Type:* ASCII_Text_Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Text	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

reference_type in Bundle_Member_Entry

Name: **reference_type**			***Version Id:*** **1.0.0.0**
Description: The reference_type attribute provides the name of the association.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Bundle_ Member_Entry	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	bundle_has_browse_ collection	The bundle has a browse collection member	
	bundle_has_ calibration_collection	The bundle has a calibration collection member	
	bundle_has_context_ collection	The bundle has a context collection member	
	bundle_has_data_ collection	The bundle has a data collection member	
	bundle_has_document_ collection	The bundle has a document collection member	
	bundle_has_geometry_ collection	The bundle has a geometry collection member	
	bundle_has_member_ collection	The bundle has a member collection member	
	bundle_has_schema_ collection	The bundle has a schema collection member	
	bundle_has_spice_ kernel_collection	The bundle has a spice kernel collection member	

reference_type in DD_Association

Name: **reference_type**			***Version Id:*** **1.0.0.0**
Description: The reference_type attribute provides the name of the association.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Association	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	attribute_of	The referenced attribute is a member of this class	
	component_of	The referenced class is a component of this class	
	extension_of - *Deprecated*	The referenced class is an extension of this class	

Name: **reference_type**			***Version Id:*** **1.0.0.0**
	parent_of	This class is a parent of the referenced class	
	restriction_of - *Deprecated*	The referenced class is a restriction of this class	
	subclass_of - *Deprecated*	The referenced class is a subclass of this class	

reference_type in DD_Association_External *Deprecated*

Name: **reference_type**			***Version Id:*** **1.0.0.0**
Description: The reference_type attribute provides the name of the association.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Association_External *Deprecated*	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	attribute_of	The referenced attribute is a member of this class	
	component_of	The referenced class is a component of this class	
	extension_of	The referenced class is an extension of this class	
	parent_of	This class is a parent of the referenced class	
	restriction_of	The referenced class is a restriction of this class	
	subclass_of	The referenced class is a subclass of this class	

reference_type in Internal_Reference

Name: **reference_type**			***Version Id:*** **1.0.0.0**
Description: The reference_type attribute provides the name of the association.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Internal_ Reference	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		
Extended Value(s) for: pds:Observing_ System_Component/ pds:Internal_Reference	*Value*	*Value Meaning*	
	is_instrument	The referenced class is a context product describing the instrument.	

Name: **reference_type**		**Version Id: 1.0.0.0**
	is_instrument_host	The referenced class is a context product describing the instrument_host
	is_other	The referenced class is a context product describing something not classified
	is_facility	The referenced class is a context product describing the facility
	is_telescope	The referenced class is a context product describing the telescope
Extended Value(s) for: pds:Product_ AIP/pds:Information_ Package_Component/ pds:Internal_Reference	*Value*	*Value Meaning*
	package_has_collection	The Archival Information Package contains a Collection.
	package_has_bundle	The Archival Information Package contains a Bundle.
	package_has_product	The Archival Information Package contains a basic Product.
	package_compiled_ from_package	The Archival Information Package is compiled from a Submission Information Package.
Extended Value(s) for: pds:Product_Browse/ pds:Reference_List/ pds:Internal_Reference	*Value*	*Value Meaning*
	browse_to_data	The browse product is associated to a data product
	browse_to_thumbnail	The browse product is associated to a thumbnail
Extended Value(s) for: pds:Product_Bundle/ pds:Context_Area/ pds:Investigation_ Area/pds:Internal_ Reference	*Value*	*Value Meaning*
	bundle_to_ investigation	The bundle is associated to an investigation
Extended Value(s) for: pds:Product_Bundle/ pds:Reference_List/ pds:Internal_Reference	*Value*	*Value Meaning*
	bundle_to_errata	The bundle is associated to an errata document
	bundle_to_document	The bundle is associated to a document
	bundle_to_ investigation	The bundle is associated to an investigation
	bundle_to_instrument	The bundle is associated to an instrument
	bundle_to_instrument_ host	The bundle is associated to an instrument host
	bundle_to_target	The bundle is associated to a target

Name: **reference_type**			***Version Id:*** **1.0.0.0**
	bundle_to_resource	The bundle is associated to a resource	
	bundle_to_associate	The bundle is associated to a product	
Extended Value(s) for: pds:Product_ Collection/ pds:Context_Area/ pds:Investigation_ Area/pds:Internal_ Reference	*Value*	*Value Meaning*	
	collection_to_ investigation	The collection is associated to an investigation	
Extended Value(s) for: pds:Product_ Collection/ pds:Reference_List/ pds:Internal_Reference	*Value*	*Value Meaning*	
	collection_to_resource	The collection is associated to a resource	
	collection_to_associate	The collection is associated to a product	
	collection_to_ calibration	The collection is associated to calibration data	
	collection_to_geometry	The collection is associated to geometry	
	collection_to_spice_ kernel	The collection is associated to spice kernels	
	collection_curated_by_ node	The collection is curated by the referenced node	
	collection_to_ document	The collection is associated to a document	
	collection_to_browse	The collection is associated to a browse product	
	collection_to_context	The collection is associated to a context product	
	collection_to_data	The collection is associated to a data product	
	collection_to_schema	The collection is associated to a schema document	
	collection_to_errata	The collection is associated to an errata document	
	collection_to_bundle	The collection is associated to a bundle	
	collection_to_personnel	The collection is associated to personnel	
	collection_to_ investigation	The collection is associated to an investigation	
	collection_to_ instrument	The collection is associated to an instrument	
	collection_to_ instrument_host	The collection is associated to an instrument host	
	collection_to_target	The collection is associated to a target	
Extended Value(s) for: pds:Product_Context/ pds:Reference_List/ pds:Internal_Reference	*Value*	*Value Meaning*	

Name: **reference_type**			***Version Id:*** **1.0.0.0**
	context_to_associate	The context product is associated to a product	
	instrument_to_ document	The instrument is associated to a document	
	instrument_to_ instrument_host	The instrument is associated to an instrument host	
	instrument_host_to_ document	The instrument host is associated to a document	
	instrument_host_to_ instrument	The instrument_host is associated to an instrument	
	instrument_host_to_ investigation	The instrument host is associated to an investigation	
	instrument_host_to_ target	The instrument host is associated to a target	
	investigation_to_ document	The investigation is associated to a document	
	investigation_to_ instrument	The investigation is associated to an instrument	
	investigation_to_ instrument_host	The investigation is associated to an instrument_host	
	investigation_to_target	The investigation is associated to a target	
	node_to_personnel	The node is associated to a person	
	node_to_agency	The node is associated to an agency	
	node_to_manager	The node is associated to a manager	
	node_to_operator	The node is associated to an operator	
	node_to_data_archivist	The node is associated to a data archivist	
	resource_to_instrument	The resource is associated to an instrument	
	resource_to_ instrument_host	The resource is associated to an instrument host	
	resource_to_ investigation	The resource is associated to an investigation	
	resource_to_target	The resource is associated to a target	
	target_to_document	The target is associated to a document	
	target_to_instrument	The target is associated to an instrument	
	target_to_instrument_ host	The target is associated to an instrument_host	
	target_to_investigation	The target is associated to an investigation	
Extended Value(s) for: pds:Product_ DIP/pds:Information_ Package_Component/ pds:Internal_Reference	*Value*	*Value Meaning*	
	package_has_collection	The Dissemination Information Package contains a Collection.	
	package_has_bundle	The Dissemination Information Package contains a Bundle.	

Name: **reference_type**			***Version Id:*** **1.0.0.0**
	package_has_product	The Dissemination Information Package contains a basic Product.	
	package_compiled_ from_package	The Dissemination Information Package is compiled from an Archival Information Package.	
Extended Value(s) for: pds:Product_ DIP_Deep_Archive/ pds:Information_ Package_Component/ pds:Internal_Reference	*Value*	*Value Meaning*	
	package_has_collection	The Dissemination Information Package contains a Collection.	
	package_has_bundle	The Dissemination Information Package contains a Bundle.	
	package_has_product	The Dissemination Information Package contains a basic Product.	
	package_compiled_ from_package	The Dissemination Information Package is compiled from an Archival Information Package.	
Extended Value(s) for: pds:Product_ Document/ pds:Context_Area/ pds:Investigation_ Area/pds:Internal_ Reference	*Value*	*Value Meaning*	
	document_to_ investigation	The document is associated to an investigation	
Extended Value(s) for: pds:Product_ Document/ pds:Context_ Area/pds:Target_ Identification/ pds:Internal_Reference	*Value*	*Value Meaning*	
	document_to_target	The document is associated to a target	
Extended Value(s) for: pds:Product_ Document/ pds:Reference_List/ pds:Internal_Reference	*Value*	*Value Meaning*	
	document_to_associate	The document is associated to a product	
	document_to_ investigation	The document is associated to an investigation	
	document_to_ instrument_host	The document is associated to an instrument_host	
	document_to_ instrument	The document is associated to an instrument	
	document_to_target	The document is associated to a target	
Extended Value(s) for: pds:Product_Native/	*Value*	*Value Meaning*	

Name: **reference_type**		***Version Id:*** **1.0.0.0**
pds:Reference_List/ pds:Internal_Reference		
	described_by_ document	The format of the digital object must be described one or more referenced documents
Extended Value(s) for: pds:Product_ Observational/ pds:Observation_Area/ pds:Investigation_ Area/pds:Internal_ Reference	*Value*	*Value Meaning*
	data_to_investigation	The data product is associated to an investigation
Extended Value(s) for: pds:Product_ Observational/ pds:Observation_ Area/pds:Target_ Identification/ pds:Internal_Reference	*Value*	*Value Meaning*
	data_to_target	The data product is associated to a target
	collection_to_target	The collection is associated to a target
	bundle_to_target	The bundle is associated to a target
	document_to_target	The document is associated to a target
Extended Value(s) for: pds:Product_ Observational/ pds:Reference_List/ pds:Internal_Reference	*Value*	*Value Meaning*
	data_to_associate	The data product is associated to a product
	data_to_resource	The data product is associated to a resource
	data_to_calibration_ document	The data product is associated to a calibration document
	data_to_calibration_ product	The data product is associated to a calibration product
	data_to_raw_product	The data product is associated to a raw product
	data_to_calibrated_ product	The data product is associated to a calibrated product
	data_to_derived_ product	The data product is associated to a derived product
	data_to_geometry	The data product is associated to geometry
	data_to_spice_kernel	The data product is associated to spice kernel(s)
	data_to_thumbnail	The data product is associated to a thumbnail
	data_to_document	The data product is associated to a document
	data_curated_by_node	The data product is curated by the referenced node
	data_to_browse	The data product is associated to a browse product

Name: **reference_type**			***Version Id:*** **1.0.0.0**
	data_to_ancillary_data	The referencing data product requires the referenced data product to provide specific support for its own use. For example, a table with footnotes can be archived as two products: a data table file with a field giving a footnote code number; and a footnotes file sorted by those code numbers. The label of the data table would then reference the footnotes file with an association type of "data_to_ancillary_data".	
Extended Value(s) for: pds:Product_ SIP/pds:Information_ Package_Component/ pds:Internal_Reference	*Value*	*Value Meaning*	
	package_has_collection	The Submission Information Package contains a Collection.	
	package_has_bundle	The Submission Information Package contains a Bundle.	
	package_has_product	The Submission Information Package is contains a basic Product.	
Extended Value(s) for: pds:Product_ SIP_Deep_Archive/ pds:Information_ Package_Component_ Deep_Archive/ pds:Internal_Reference	*Value*	*Value Meaning*	
	package_has_bundle	The Submission Information Package Deep Archive contains a Bundle.	
Extended Value(s) for: pds:Product_Zipped/ pds:Internal_Reference	*Value*	*Value Meaning*	
	zip_to_package	The zip file contains a copy of the package	
Extended Value(s) for: pds:Update_Entry/ pds:Internal_Reference	*Value*	*Value Meaning*	
	data_to_update	The data product is associated to an update product	
	collection_to_update	The collection is associated to an update product	
	bundle_to_update	The bundle is associated to an update product	

reference_type in Inventory

Name: **reference_type**			***Version Id:*** **1.0.0.0**
Description: The reference_type attribute provides the name of the association.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Inventory	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None

Name: **reference_type**			***Version Id:*** **1.0.0.0**
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	inventory_has_ member_product	The collection inventory has member products identified by either LIDVID or LID references	

registered_by in DD_Attribute_Full

Name: **registered_by**			***Version Id:*** **1.0.0.0**
Description: The registered_by attribute provides the name of the person or organization that registered the object.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Attribute_Full	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Text	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

registered_by in DD_Class_Full

Name: **registered_by**			***Version Id:*** **1.0.0.0**
Description: The registered_by attribute provides the name of the person or organization that registered the object.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Class_Full	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Text	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

registration_authority_id in DD_Attribute_Full

Name: **registration_authority_id**			***Version Id:*** **1.0.0.0**
Description: The registration_authority_id attribute provides the name of the organization that registered the object.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Attribute_Full	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String

Name: **registration_authority_id**			***Version Id:*** **1.0.0.0**
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	0001_NASA_PDS_1	The Attribute Registration_Authority is 0001_NASA_PDS_1	

registration_authority_id in DD_Class_Full

Name: **registration_authority_id**			***Version Id:*** **1.0.0.0**
Description: The registration_authority_id attribute provides the name of the organization that registered the object.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Class_Full	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

registration_date in PDS_Affiliate

Name: **registration_date**			***Version Id:*** **1.0.0.0**
Description: The registration_date attribute provides the date of registration within the PDS system.			
Namespace Id: pds	*Steward:* ops	*Class Name:* PDS_ Affiliate	*Type:* ASCII_Date_ YMD
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Time	*Conceptual Domain:* Time
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

registration_date in PDS_Guest

Name: **registration_date**			***Version Id:*** **1.0.0.0**
Description: The registration_date attribute provides the date of registration within the PDS system.			
Namespace Id: pds	*Steward:* ops	*Class Name:* PDS_ Guest	*Type:* ASCII_Date_ YMD
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Time	*Conceptual Domain:* Time
Status: Active	*Nillable:* false	*Pattern:* None	

Name: **registration_date**			***Version Id:*** **1.0.0.0**
Permissible Value(s)	*No Values*		

repetitions in Group

Name: **repetitions**			***Version Id:*** **1.0.0.0**
Description: The repetitions attribute provides the number of times a set of repeating fields and, possibly, (sub)groups is replicated within a group.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Group	*Type:* ASCII_Integer
Minimum Value: 1	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

revision_id in Document

Name: **revision_id**			***Version Id:*** **1.0.0.0**
Description: The revision_id attribute provides the revision level of a document, which may be set outside PDS and may be different from its version_id.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Document	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

rotation_direction in Target_PDS3

Name: **rotation_direction**			***Version Id:*** **1.0.0.0**
Description: The rotation_direction element provides the direction of rotation as viewed from the north pole of the 'invariable plane of the solar system', which is the plane passing through the center of mass of the solar system and perpendicular to the angular momentum vector of the solar system. The value for this element is PROGRADE for counter -clockwise rotation, RETROGRADE for clockwise rotation and SYNCHRONOUS for satellites which are tidally locked with the primary. Sidereal_rotation_period and rotation_direction_type are unknown for a number of satellites, and are not applicable (N/A) for satellites which are tumbling.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Target_PDS3	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Direction	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

rule_assign in DD_Rule

Name: **rule_assign**			***Version Id:*** **1.0.0.0**
Description: The rule_assign attribute provides an assignment statement for a schematron rule.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_Rule	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

rule_context in DD_Rule

Name: **rule_context**			***Version Id:*** **1.0.0.0**
Description: The rule_context attribute provides the xpath for the rule.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_Rule	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

rule_description in DD_Rule_Statement

Name: **rule_description**			***Version Id:*** **1.0.0.0**
Description: The rule_description attribute provides a description of the rule statement suitable for user documentation.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_Rule_Statement	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

rule_message in DD_Rule_Statement

Name: **rule_message**			***Version Id:*** **1.0.0.0**
Description: The rule_message attribute provides a message to be displayed by the schematron processor when the test condition is met.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_Rule_Statement	*Type:* ASCII_Short_String_Collapsed

Name: **rule_message**			***Version Id:*** **1.0.0.0**
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

rule_test in DD_Rule_Statement

Name: **rule_test**			***Version Id:*** **1.0.0.0**
Description: The rule_test attribute provides the body of the statement to be executed by the schematron processor.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Rule_Statement	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

rule_type in DD_Rule_Statement

Name: **rule_type**			***Version Id:*** **1.0.0.0**
Description: The rule_type attribute indicates the type of statement to be executed.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Rule_Statement	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Assert	The rule statement type is generic Assert.	
	Assert Every	The rule statement type is Assert Every.	
	Assert If	The rule statement type is Assert If.	
	Report	The rule statement type is Report.	

rule_value in DD_Rule_Statement

Name: **rule_value**			***Version Id:*** **1.0.0.0**
Description: The rule_value attribute provides values to be used to complete certain schematon statements.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Rule_Statement	*Type:* ASCII_Short_ String_Collapsed

Name: **rule_value**			***Version Id:*** **1.0.0.0**
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

sample_display_direction in Display_2D_Image *Deprecated*

Name: **sample_display_direction**			***Version Id:*** **1.0.0.0**
Description: The sample_display_direction attribute provides the preferred orientation of samples within a line for viewing on a display device. The attribute sample_display_direction must be used with line_display_direction.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Display_2D_Image *Deprecated*	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Direction	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Right	The preferred orientation of samples within an line for viewing on a display device is Right	

sampling_parameter_interval in Uniformly_Sampled

Name: **sampling_parameter_interval**			***Version Id:*** **1.0.0.0**
Description: The sampling_parameter_interval element identifies the spacing of points at which data are sampled and at which a value for an instrument or dataset parameter is available. This sampling interval can be either the original (raw) sampling or the result of some resampling process. For example, in 48-second magnetometer data the sampling interval is 48. The sampling parameter (time, in the example) is identified by the sampling_parameter_name element.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Uniformly_Sampled	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Number	*Conceptual Domain:* Real
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

sampling_parameter_name in Uniformly_ Sampled

Name: **sampling_parameter_name**			***Version Id:*** **1.0.0.0**
Description: The sampling_parameter_name element provides the name of the parameter which determines the sampling interval of a particular instrument or dataset parameter. For example, magnetic field intensity is sampled in time increments, and a spectrum is sampled in wavelength or frequency.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Uniformly_Sampled	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

sampling_parameter_scale in Uniformly_ Sampled

Name: **sampling_parameter_scale**			***Version Id:*** **1.0.0.0**
Description: The sampling_parameter_scale element specifies whether the sampling interval is linear or something other such as logarithmic.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Uniformly_Sampled	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Scale	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Exponential	Values of Uniformly_Sampled are given at uniform spacings of the exponential of an independent variable [e.g., log(1), log(2), log(3), log(4), ...]	
	Linear	Values of Uniformly_Sampled are given at uniform (linear) spacings of an independent variable [e.g., 1, 2, 3, 4, ...]	
	Logarithmic	Values of Uniformly_Sampled are given at uniform spacings of the logarithm of an independent variable [e.g., 1, 10, 100, 1000, ...]	

sampling_parameter_unit in Uniformly_Sampled

Name: **sampling_parameter_unit**			***Version Id:*** **1.0.0.0**
Description: The sampling_parameter_unit element specifies the unit of measure of associated data sampling parameters.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Uniformly_Sampled	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Unit	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

saturated_constant in Special_Constants

Name: **saturated_constant**			***Version Id:*** **1.0.0.0**
Description: The saturated_constant attribute provides a value that indicates the original value was invalid because of sensor saturation.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Special_Constants	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Constant	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

scaling_factor in Band_Bin *Deprecated*

Name: **scaling_factor**			***Version Id:*** **1.0.0.0**
Description: The scaling_factor attribute is the scaling factor to be applied to each stored value in order to recover an original value. The observed value (Ov) is calculated from the stored value (Sv) thus: Ov = (Sv * scaling_factor) + value_offset. The default value is 1.			
Namespace Id: pds	*Steward:* img	*Class Name:* Band_Bin *Deprecated*	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Number	*Conceptual Domain:* Real
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

scaling_factor in Element_Array

Name: **scaling_factor**			***Version Id:*** **1.0.0.0**
Description: The scaling_factor attribute is the scaling factor to be applied to each stored value in order to recover an original value. The observed value (Ov) is calculated from the stored value (Sv) thus: Ov = (Sv * scaling_factor) + value_offset. The default value is 1.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Element_ Array	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Factor	*Conceptual Domain:* Real
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

scaling_factor in Field_Binary

Name: **scaling_factor**			***Version Id:*** **1.0.0.0**
Description: The scaling_factor attribute is the scaling factor to be applied to each stored value in order to recover an original value. The observed value (Ov) is calculated from the stored value (Sv) thus: Ov = (Sv * scaling_factor) + value_offset. The default value is 1.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Field_ Binary	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Factor	*Conceptual Domain:* Real
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

scaling_factor in Field_Bit

Name: **scaling_factor**			***Version Id:*** **1.0.0.0**
Description: The scaling_factor attribute is the scaling factor to be applied to each stored value in order to recover an original value. The observed value (Ov) is calculated from the stored value (Sv) thus: Ov = (Sv * scaling_factor) + value_offset. The default value is 1.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Field_Bit	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Factor	*Conceptual Domain:* Real
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

scaling_factor in Field_Character

Name: **scaling_factor**			***Version Id:*** **1.0.0.0**
Description: The scaling_factor attribute is the scaling factor to be applied to each stored value in order to recover an original value. The observed value (Ov) is calculated from the stored value (Sv) thus: Ov = (Sv * scaling_factor) + value_offset. The default value is 1.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Field_ Character	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Factor	*Conceptual Domain:* Real
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

scaling_factor in Field_Delimited

Name: **scaling_factor**			***Version Id:*** **1.0.0.0**
Description: The scaling_factor attribute is the scaling factor to be applied to each stored value in order to recover an original value. The observed value (Ov) is calculated from the stored value (Sv) thus: Ov = (Sv * scaling_factor) + value_offset. The default value is 1.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Field_ Delimited	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Factor	*Conceptual Domain:* Real
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

sequence_number in Axis_Array

Name: **sequence_number**			***Version Id:*** **1.0.0.0**
Description: The sequence_number attribute provides a number that is used to order axes in an array.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Axis_ Array	*Type:* ASCII_Integer
Minimum Value: 1	*Maximum Value:* 16	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Number	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

sequence_number in Quaternion_Component

Name: **sequence_number**			***Version Id:*** **1.0.0.0**
Description: The sequence_number attribute provides a number that is used to order axes in an array.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Quaternion_ Component	*Type:* ASCII_Integer
Minimum Value: 1	*Maximum Value:* 16	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Number	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

sequence_number in Vector_Component

Name: **sequence_number**			***Version Id:*** **1.0.0.0**
Description: The sequence_number attribute provides a number that is used to order axes in an array.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Vector_ Component	*Type:* ASCII_Integer
Minimum Value: 1	*Maximum Value:* 16	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Number	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

serial_number in Instrument

Name: **serial_number**			***Version Id:*** **1.0.0.0**
Description: The serial number element provides the assigned manufacturer's serial number.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Instrument	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Number	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

serial_number in Instrument_Host

Name: **serial_number**	***Version Id:*** **1.0.0.0**
Description: The serial number attribute provides the manufacturer's serial number assigned to an instrument host.	

Name: **serial_number**			***Version Id:*** **1.0.0.0**
Namespace Id: pds	*Steward:* pds	*Class Name:* Instrument_Host	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Number	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

software_dialect in Software_Source

Name: **software_dialect**			***Version Id:*** **1.0.0.0**
Description: The software dialect attribute indicates the variety of a language used to write the software.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Software_Source	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Text	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

software_format_type in Software_Binary

Name: **software_format_type**			***Version Id:*** **1.0.0.0**
Description: The software format type attribute classifies the format of the software.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Software_Binary	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

software_format_type in Software_Source

Name: **software_format_type**			***Version Id:*** **1.0.0.0**
Description: The software format type attribute classifies the format of the software.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Software_Source	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String

Name: **software_format_type**			***Version Id:*** **1.0.0.0**
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

software_id in Software

Name: **software_id**			***Version Id:*** **1.0.0.0**
Description: The software id attribute provides a formal name used to refer to the software.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Software	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

software_language in Software_Source

Name: **software_language**			***Version Id:*** **1.0.0.0**
Description: The software language attribute identifies the language used to write the software.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Software_Source	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Text	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

software_type in Software

Name: **software_type**			***Version Id:*** **1.0.0.0**
Description: The software type attribute identifies the class of which the software is a member.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Software	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

software_version_id in Software

Name: **software_version_id**			***Version Id:*** **1.0.0.0**
Description: The software_version_id attribute provides the version of the software.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Software	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

solar_longitude in Time_Coordinates

Name: **solar_longitude**			***Version Id:*** **1.0.0.0**
Description: The solar_longitude attribute provides the angle between the body-Sun line at the time of interest and the body-Sun line at its vernal equinox.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Time_Coordinates	*Type:* ASCII_Real
Minimum Value: 0	*Maximum Value:* 360	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Angle	*Default Unit Id:* deg	*Attribute Concept:* Longitude	*Conceptual Domain:* Real
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

sort_name in PDS_Affiliate

Name: **sort_name**			***Version Id:*** **1.0.0.0**
Description: The sort name attribute provides a string to be used in ordering. For people, the last name (surname) is typically first, followed by a comma and then other names.			
Namespace Id: pds	*Steward:* ops	*Class Name:* PDS_Affiliate	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

sort_name in PDS_Guest

Name: **sort_name**	***Version Id:*** **1.0.0.0**
Description: The sort name attribute provides a string to be used in ordering. For people, the last name (surname) is typically first, followed by a comma and then other names.	

Name: **sort_name**			***Version Id:*** **1.0.0.0**
Namespace Id: pds	*Steward:* ops	*Class Name:* PDS_ Guest	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

specified_unit_id in DD_Value_Domain

Name: **specified_unit_id**			***Version Id:*** **1.0.0.0**
Description: The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Value_Domain	*Type:* UTF8_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

specified_unit_id in DD_Value_Domain_Full

Name: **specified_unit_id**			***Version Id:*** **1.0.0.0**
Description: The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Value_Domain_Full	*Type:* UTF8_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

specified_unit_id in Unit_Of_Measure

Name: **specified_unit_id**			***Version Id:*** **1.0.0.0**
Description: The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Unit_Of_ Measure	*Type:* UTF8_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None

Name: **specified_unit_id**			***Version Id:*** **1.0.0.0**
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

specified_unit_id in Units_of_Acceleration

Name: **specified_unit_id**			***Version Id:*** **1.0.0.0**
Description: The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Acceleration	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	m/s**2	Units_of_Acceleration maximum, minimum, and permissible values are given in units of meter per second per second.	

specified_unit_id in Units_of_Amount_Of_Substance

Name: **specified_unit_id**			***Version Id:*** **1.0.0.0**
Description: The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Amount_Of_Substance	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	mol	Units_of_Amount_Of_Substance maximum, minimum, and permissible values are given in the unit mole	

specified_unit_id in Units_of_Angle

Name: **specified_unit_id**	***Version Id:*** **1.0.0.0**
Description: The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.	

Name: **specified_unit_id**			***Version Id:*** **1.0.0.0**
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Angle	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	deg	Units_of_Angle maximum, minimum, and permissible values are given in the unit degree	

specified_unit_id in Units_of_Angular_Velocity

Name: **specified_unit_id**			***Version Id:*** **1.0.0.0**
Description: The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Angular_Velocity	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	deg/s	Units_of_Angular_Velocity maximum, minimum, and permissible values are given in the unit degree per second	

specified_unit_id in Units_of_Area

Name: **specified_unit_id**			***Version Id:*** **1.0.0.0**
Description: The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Area	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	m**2	Units_of_Area maximum, minimum, and permissible values are given in the unit square meter	

specified_unit_id in Units_of_Current

Name: **specified_unit_id**			***Version Id:*** **1.0.0.0**
Description: The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Current	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	A	Units_of_Current maximum, minimum, and permissible values are given in the unit A	

specified_unit_id in Units_of_Frame_Rate

Name: **specified_unit_id**			***Version Id:*** **1.0.0.0**
Description: The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Frame_Rate	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	frames/s	Units_of_Frame_Rate maximum, minimum, and permissible values are given in the unit frame per second	

specified_unit_id in Units_of_Frequency

Name: **specified_unit_id**			***Version Id:*** **1.0.0.0**
Description: The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Frequency	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	

Name: **specified_unit_id**			***Version Id:*** **1.0.0.0**
	Hz	Units_of_Frequency maximum, minimum, and permissible values are given in the unit hertz (cycle per second)	

specified_unit_id in Units_of_Length

Name: **specified_unit_id**			***Version Id:*** **1.0.0.0**
Description: The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Length	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	m	Units_of_Length maximum, minimum, and permnissible values are given in the unit meter	

specified_unit_id in Units_of_Map_Scale

Name: **specified_unit_id**			***Version Id:*** **1.0.0.0**
Description: The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Map_Scale	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	pixel/deg	Units_of_Map_Scale maximum, minimum, and permissible values are given in the unit pixel per degree.	

specified_unit_id in Units_of_Mass

Name: **specified_unit_id**			***Version Id:*** **1.0.0.0**
Description: The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Mass	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None

Name: **specified_unit_id**			***Version Id:*** **1.0.0.0**
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	kg	Units_of_Mass maximum, minimum, and permissible values are given in the unit kilogram.	

specified_unit_id in Units_of_Misc

Name: **specified_unit_id**			***Version Id:*** **1.0.0.0**
Description: The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Misc	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	DN	Units_of_Misc maximum, minimum, and permissible values are given in the unit data number.	

specified_unit_id in Units_of_None

Name: **specified_unit_id**			***Version Id:*** **1.0.0.0**
Description: The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_None	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	none	Units_of_None maximum, minimum, and permissible values are dimensionless.	

specified_unit_id in Units_of_Optical_Path_Length

Name: **specified_unit_id**			***Version Id:*** **1.0.0.0**
Description: The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Optical_Path_Length	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	airmass	Units_of_Optical_Path_Length maximum, minimum, and permissible values are given in the unit airmass	

specified_unit_id in Units_of_Pressure

Name: **specified_unit_id**			***Version Id:*** **1.0.0.0**
Description: The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Pressure	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	bar	Units_of_Pressure maximum, minimum, and permissble values are given in the unit bar (one bar = 100,000 Pa)	

specified_unit_id in Units_of_Radiance

Name: **specified_unit_id**			***Version Id:*** **1.0.0.0**
Description: The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Radiance	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String

Name: **specified_unit_id**			***Version Id:*** **1.0.0.0**
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	W/(m**2*sr)	Units_of_Radiance maximum, minimum, and permissible values are given in the unit watt per square meter per steradian	

specified_unit_id in Units_of_Rates

Name: **specified_unit_id**			***Version Id:*** **1.0.0.0**
Description: The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Rates	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	counts/bin	Units_of_Rates maximum, minimum, and permissible values are given in the unit counts/bin	

specified_unit_id in Units_of_Solid_Angle

Name: **specified_unit_id**			***Version Id:*** **1.0.0.0**
Description: The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Solid_Angle	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	sr	Units_of_Solid_Angle maximum, minimum, and permissible values are given in the unit steradian.	

specified_unit_id in Units_of_Spectral_Irradiance

Name: **specified_unit_id**	***Version Id:*** **1.0.0.0**
Description: The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.	

Name: **specified_unit_id**			***Version Id:*** **1.0.0.0**
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Spectral_Irradiance	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	W/m**3	Units_of_Spectral_Irradiance maximum, minimum, and permissible values are given in the unit watts per square meter (of area) per meter (of wavelength)	

specified_unit_id in Units_of_Spectral_Radiance

Name: **specified_unit_id**			***Version Id:*** **1.0.0.0**
Description: The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Spectral_Radiance	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	W/m**3/sr	Units_of_Spectral_Radiance maximum, minimum, and permissible values are given in the unit watts per square meter (of area) per steradian per meter (of wavelength)	

specified_unit_id in Units_of_Storage

Name: **specified_unit_id**			***Version Id:*** **1.0.0.0**
Description: The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Storage	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	

Name: **specified_unit_id**			***Version Id:*** **1.0.0.0**
	byte	Units_of_Storage maximum, minimum, and permissible values are given in the unit byte	

specified_unit_id in Units_of_Temperature

Name: **specified_unit_id**			***Version Id:*** **1.0.0.0**
Description: The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Temperature	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	degC	Units_of_Temperature maximum, minimum, and permissible values are given in the unit degree Celsius	

specified_unit_id in Units_of_Time

Name: **specified_unit_id**			***Version Id:*** **1.0.0.0**
Description: The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Time	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	s	Units_of_Time maximum, minimum, and permissible values are given in the unit second	

specified_unit_id in Units_of_Velocity

Name: **specified_unit_id**			***Version Id:*** **1.0.0.0**
Description: The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Velocity	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String

Name: **specified_unit_id**			***Version Id:*** **1.0.0.0**
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	m/s	Units_of_Velocity maximum, minimum, and permissible values are given in the unit meter per second	

specified_unit_id in Units_of_Voltage

Name: **specified_unit_id**			***Version Id:*** **1.0.0.0**
Description: The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Voltage	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	V	Units_of_Voltage maximum, minimum, and permissible values are given in the unit volt	

specified_unit_id in Units_of_Volume

Name: **specified_unit_id**			***Version Id:*** **1.0.0.0**
Description: The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Volume	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	L	Units_of_Volume maximum, minimum, and permissible values are given in the unit liter	

specified_unit_id in Units_of_Wavenumber

Name: **specified_unit_id**			***Version Id:*** **1.0.0.0**
Description: The specified_unit_id attribute provides the unit chosen for maximum_value, minimum_value, and permissible_value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Wavenumber	*Type:* UTF8_Short_String_Collapsed

Name: **specified_unit_id**			***Version Id:*** **1.0.0.0**
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	1/cm	Units_of_Wavenumber maximum, minimum, and permissible values are given in the unit "per centimeter"	

standard_deviation in Band_Bin *Deprecated*

Name: **standard_deviation**			***Version Id:*** **1.0.0.0**
Description: The standard_deviation attribute provides the standard deviation of values in the associated object; empty and Special_Constants values are excluded.			
Namespace Id: pds	*Steward:* img	*Class Name:* Band_Bin *Deprecated*	*Type:* ASCII_Real
Minimum Value: 0	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Number	*Conceptual Domain:* Real
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

standard_deviation in Field_Statistics

Name: **standard_deviation**			***Version Id:*** **1.0.0.0**
Description: The standard_deviation attribute provides the standard deviation of the stored field over all records (empty fields and Special_Constants values are excluded from the computation).			
Namespace Id: pds	*Steward:* pds	*Class Name:* Field_ Statistics	*Type:* ASCII_Real
Minimum Value: 0	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Number	*Conceptual Domain:* Real
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

standard_deviation in Object_Statistics

Name: **standard_deviation**			***Version Id:*** **1.0.0.0**
Description: The standard_deviation attribute provides the standard deviation of the stored array element values after application of any bit mask (Special_Constants values are excluded from the computation).			
Namespace Id: pds	*Steward:* pds	*Class Name:* Object_ Statistics	*Type:* ASCII_Real

Name: **standard_deviation**			***Version Id:*** **1.0.0.0**
Minimum Value: 0	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Number	*Conceptual Domain:* Real
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

start_bit in Field_Bit

Name: **start_bit**			***Version Id:*** **1.0.0.0**
Description: The start_bit attribute provides the position of the first bit within an ordered sequence of bits.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Field_Bit	*Type:* ASCII_Integer
Minimum Value: 1	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Bit	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

start_date in Investigation

Name: **start_date**			***Version Id:*** **1.0.0.0**
Description: The start_date attribute provides the date when an activity began.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Investigation	*Type:* ASCII_Date_YMD
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Time	*Conceptual Domain:* Time
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

start_date_time in Data_Set_PDS3 *Deprecated*

Name: **start_date_time *Deprecated***			***Version Id:*** **1.0.0.0**
Description: The start_date_time attribute provides the date and time at the beginning of the data set.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Data_Set_PDS3	*Type:* ASCII_Date_Time_YMD_UTC
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Time	*Conceptual Domain:* Time

Name: **start_date_time *Deprecated***			***Version Id:*** **1.0.0.0**
Status: Deprecated	*Nillable:* true	*Pattern:* None	
Permissible Value(s)	*No Values*		

start_date_time in Time_Coordinates

Name: **start_date_time**			***Version Id:*** **1.0.0.0**
Description: The start_date_time attribute provides the date and time appropriate to the beginning of the product being labeled.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Time_ Coordinates	*Type:* ASCII_Date_ Time_YMD_UTC
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Time	*Conceptual Domain:* Time
Status: Active	*Nillable:* true	*Pattern:* None	
Permissible Value(s)	*No Values*		

start_time in Data_Set_PDS3

Name: **start_time**			***Version Id:*** **1.0.0.0**
Description: The start_time attribute provides the date and time of the beginning of an event or observation (whether it be a spacecraft, ground-based, or system event) in UTC.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Data_Set_ PDS3	*Type:* ASCII_Date_ Time
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Time
Status: Active	*Nillable:* true	*Pattern:* None	
Permissible Value(s)	*No Values*		

starting_point_identifier in Document_Edition

Name: **starting_point_identifier**			***Version Id:*** **1.0.0.0**
Description: The starting_point attribute provides the local_identifier of the object to be accessed first.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Document_Edition	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

steward_id in DD_Attribute_Full

Name: **steward_id**			***Version Id:*** **1.0.0.0**
Description: The steward attribute indicates the person or organization that manages a set of registered attributes and classes.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Attribute_Full	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	atm	Steward of the attribute is the PDS Atmospheres discipline node	
	geo	Steward of the attribute is the PDS Geosciences discipline node	
	img	Steward of the attribute is the PDS Imaging support node	
	naif	Steward of the attribute is the PDS Navigation and Ancillary Information Facility support node	
	ops	Steward of the attribute is the PDS operations function	
	pds	Steward of the attribute is the Planetary Data System	
	ppi	Steward of the attribute is the PDS Planetary Plasma Interaction discipline node	
	rings	Steward of the attribute is the PDS Rings discipline node	
	rs	Steward of the attribute is the PDS radio science function	
	sbn	Steward of the attribute is the PDS Small Bodies discipline node	

steward_id in DD_Class_Full

Name: **steward_id**			***Version Id:*** **1.0.0.0**
Description: The steward_id attribute provides the abbreviation of the organization that manages the set of registered attributes and classes.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Class_Full	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	

Name: **steward_id**			***Version Id:*** **1.0.0.0**
	atm	Steward of the attribute is the PDS Atmospheres discipline node	
	geo	Steward of the attribute is the PDS Geosciences discipline node	
	img	Steward of the attribute is the PDS Imaging support node	
	naif	Steward of the attribute is the PDS Navigation and Ancillary Information Facility support node	
	ops	Steward of the attribute is the PDS operations function	
	pds	Steward of the attribute is the Planetary Data System	
	ppi	Steward of the attribute is the PDS Planetary Plasma Interaction discipline node	
	rings	Steward of the attribute is the PDS Rings discipline node	
	rs	Steward of the attribute is the PDS radio science function	
	sbn	Steward of the attribute is the PDS Small Bodies discipline node	

steward_id in Ingest_LDD

Name: **steward_id**			***Version Id:*** **1.0.0.0**
Description: The steward_id attribute provides the abbreviation of the organization that manages the set of registered attributes and classes.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Ingest_LDD	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

stop_bit in Field_Bit

Name: **stop_bit**			***Version Id:*** **1.0.0.0**
Description: The stop-bit attribute provides the location of the last bit in this bit field relative to the first bit in the packed_data field. Bits are numbered continuously across byte boundaries. The first bit location in the packed data field is "1".			
Namespace Id: pds	*Steward:* pds	*Class Name:* Field_Bit	*Type:* ASCII_Integer
Minimum Value: 1	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Bit	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	

Name: **stop_bit**			***Version Id:*** **1.0.0.0**
Permissible Value(s)	*No Values*		

stop_date in Investigation

Name: **stop_date**			***Version Id:*** **1.0.0.0**
Description: The stop_date attribute provides the date when an activity ended.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Investigation	*Type:* ASCII_Date_YMD
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Time	*Conceptual Domain:* Time
Status: Active	*Nillable:* true	*Pattern:* None	
Permissible Value(s)	*No Values*		

stop_date_time in Data_Set_PDS3 *Deprecated*

Name: **stop_date_time *Deprecated***			***Version Id:*** **1.0.0.0**
Description: The stop_date_time attribute provides the date and time at the end of the data set.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Data_Set_PDS3	*Type:* ASCII_Date_Time_YMD_UTC
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Time	*Conceptual Domain:* Time
Status: Deprecated	*Nillable:* true	*Pattern:* None	
Permissible Value(s)	*No Values*		

stop_date_time in Time_Coordinates

Name: **stop_date_time**			***Version Id:*** **1.0.0.0**
Description: The stop_date_time attribute provides the date and time appropriate to the end of the product being labeled.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Time_Coordinates	*Type:* ASCII_Date_Time_YMD_UTC
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Time	*Conceptual Domain:* Time
Status: Active	*Nillable:* true	*Pattern:* None	
Permissible Value(s)	*No Values*		

stop_time in Data_Set_PDS3

Name: **stop_time**			***Version Id:*** **1.0.0.0**
Description: The stop_time element provides the date and time of the end of an observation or event (whether it be a spacecraft, ground-based, or system event) in UTC.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Data_Set_PDS3	*Type:* ASCII_Date_Time
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Time
Status: Active	*Nillable:* true	*Pattern:* None	
Permissible Value(s)	*No Values*		

subfacet1 in Group_Facet1

Name: **subfacet1**			***Version Id:*** **1.0.0.0**
Description: The subfacet1 attribute provides a sub-categorization under the facet1 value. The allowed values are restricted according to the value of facet1.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Group_Facet1	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

subfacet2 in Group_Facet2

Name: **subfacet2**			***Version Id:*** **1.0.0.0**
Description: The subfacet2 attribute provides a sub-categorization under the facet2 value. The allowed values are restricted according to the value of facet2.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Group_Facet2	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

submitter_name in DD_Attribute

Name: **submitter_name**	***Version Id:*** **1.0.0.0**
Description: The submitter_name attribute provides the name of the author, who submits the item to the steward.	

Name: **submitter_name**			***Version Id:*** **1.0.0.0**
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Attribute	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

submitter_name in DD_Attribute_Full

Name: **submitter_name**			***Version Id:*** **1.0.0.0**
Description: The submitter_name attribute provides the name of the author, who submits the item to the steward.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Attribute_Full	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

submitter_name in DD_Class

Name: **submitter_name**			***Version Id:*** **1.0.0.0**
Description: The submitter_name attribute provides the name of the author, who submits the item to the steward.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_Class	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

submitter_name in DD_Class_Full

Name: **submitter_name**			***Version Id:*** **1.0.0.0**
Description: The submitter_name attribute provides the name of the author, who submits the item to the steward.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Class_Full	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None

Name: **submitter_name**			***Version Id:*** **1.0.0.0**
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

subscription_id in Subscriber_PDS3

Name: **subscription_id**			***Version Id:*** **1.0.0.0**
Description: The subscriber_id provides the identification of a PDS subscription.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Subscriber_PDS3	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

supported_architecture_note in Software_Binary

Name: **supported_architecture_note**			***Version Id:*** **1.0.0.0**
Description: The supported architecture note attribute identifies the hardware architecture that can process the software.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Software_Binary	*Type:* ASCII_Text_Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Note	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

supported_architecture_note in Software_Source

Name: **supported_architecture_note**			***Version Id:*** **1.0.0.0**
Description: The supported architecture note attribute identifies the hardware architecture that can process the software.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Software_Source	*Type:* ASCII_Text_Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Note	*Conceptual Domain:* Text

Name: **supported_architecture_note**			***Version Id:*** **1.0.0.0**
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

supported_environment_note in Software_Script

Name: **supported_environment_note**			***Version Id:*** **1.0.0.0**
Description: The supported environment note attribute identifies the environment that can process the software.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Software_Script	*Type:* ASCII_Text_Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Note	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

supported_operating_system_note in Software_Binary

Name: **supported_operating_system_note**			***Version Id:*** **1.0.0.0**
Description: The supported operating system note attribute identifies the Operating System that supports the software.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Software_Binary	*Type:* ASCII_Text_Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Note	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

supported_operating_system_note in Software_Source

Name: **supported_operating_system_note**			***Version Id:*** **1.0.0.0**
Description: The supported operating system note attribute identifies the Operating System that supports the software.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Software_Source	*Type:* ASCII_Text_Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None

Name: **supported_operating_system_note**			***Version Id:*** **1.0.0.0**
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Note	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

system_requirements_note in Software_ Binary

Name: **system_requirements_note**			***Version Id:*** **1.0.0.0**
Description: The system requirements note attribute identifies what is necessary to process the software.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Software_ Binary	*Type:* ASCII_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Note	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

system_requirements_note in Software_ Script

Name: **system_requirements_note**			***Version Id:*** **1.0.0.0**
Description: The system requirements note attribute identifies what is necessary to process the software.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Software_ Script	*Type:* ASCII_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Note	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

system_requirements_note in Software_ Source

Name: **system_requirements_note**			***Version Id:*** **1.0.0.0**
Description: The system requirements note attribute identifies what is necessary to process the software.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Software_ Source	*Type:* ASCII_Text_ Preserved

Name: **system_requirements_note**			***Version Id:*** **1.0.0.0**
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Note	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

target_desc in Target_PDS3

Name: **target_desc**			***Version Id:*** **1.0.0.0**
Description: The target_desc attribute describes the characteristics of a particular target.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Target_ PDS3	*Type:* ASCII_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Description	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

target_name in Target_PDS3

Name: **target_name**			***Version Id:*** **1.0.0.0**
Description: The target_name attribute provides a name by which the target is formally known.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Target_ PDS3	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

target_type in Target_PDS3

Name: **target_type**			***Version Id:*** **1.0.0.0**
Description: The target_type attribute identifies the type of a named target.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Target_ PDS3	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

team_name in PDS_Affiliate

Name: **team_name**			***Version Id:*** **1.0.0.0**
Description: The team_name attribute provides the name of a group of individuals working together.			
Namespace Id: pds	*Steward:* ops	*Class Name:* PDS_ Affiliate	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Engineering	Team name is Engineering	
	Geosciences	Team name is Geosciences	
	Headquarters	Team name is Headquarters	
	Imaging	Team name is Imaging	
	Management	Team name is Management	
	National Space Science Data Center	Team name is National Space Science Data Center (until 2014) or National Sapce Science Data Coordinated Archive	
	Navigation and Ancillary Information Facility	Team name is Navigation and Ancillary Information Facility	
	Planetary Atmospheres	Team name is Planetary Atmospheres	
	Planetary Plasma Interactions	Team name is Planetary Plasma Interactions	
	Planetary Rings	Team name is Planetary Rings	
	Radio Science	Team name is Radio Science	
	Small Bodies	Team name is Small Bodies	

telephone_number in PDS_Affiliate

Name: **telephone_number**			***Version Id:*** **1.0.0.0**
Description: The telephone_number attribute provides a telephone number in international notation in compliance with the E.164 telephone number format recommendation.			
Namespace Id: pds	*Steward:* ops	*Class Name:* PDS_ Affiliate	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Number	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

telescope_latitude in Telescope

Name: **telescope_latitude**			***Version Id:*** **1.0.0.0**
Description: The latitude attribute provides the angular distance north or south from the equator of a point on the object's surface, measured on the meridian of the point.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Telescope	*Type:* ASCII_Real
Minimum Value: -90	*Maximum Value:* 90	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Angle	*Default Unit Id:* deg	*Attribute Concept:* Latitude	*Conceptual Domain:* Real
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

telescope_longitude in Telescope

Name: **telescope_longitude**			***Version Id:*** **1.0.0.0**
Description: The longitude attribute provides the angular distance east or west on the object's surface, measured by the angle contained between the meridian of a particular place and some prime meridian.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Telescope	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Angle	*Default Unit Id:* deg	*Attribute Concept:* Longitude	*Conceptual Domain:* Real
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

title in Identification_Area

Name: **title**			***Version Id:*** **1.0.0.0**
Description: The name given to the resource. Typically, a Title will be a name by which the resource is formally known. - Dublin Core - The title is used to refer to an object in a version independent manner.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Identification_Area	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Title	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

title in Property_Map

Name: **title**	***Version Id:*** **1.0.0.0**
Description: The title attribute provides a short, descriptive text string suitable use as a title or brief description in display or listing of products.	

Name: **title**			***Version Id:*** **1.0.0.0**
Namespace Id: pds	*Steward:* ops	*Class Name:* Property_ Map	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

title in Property_Maps

Name: **title**			***Version Id:*** **1.0.0.0**
Description: The title attribute provides a short, descriptive text string suitable use as a title or brief description in display or listing of products.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Property_ Maps	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

transfer_manifest_checksum in Information_ Package_Component

Name: **transfer_manifest_checksum**			***Version Id:*** **1.0.0.0**
Description: The transfer manifest checksum provides the checksum for the transfer manifest file.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Information_Package_ Component	*Type:* ASCII_MD5_ Checksum
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Checksum	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

type in DD_Attribute_Full

Name: **type**			***Version Id:*** **1.0.0.0**
Description: The type attribute classifies the attribute definition according to origin.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Attribute_Full	*Type:* ASCII_Short_ String_Collapsed

Name: **type**			***Version Id:*** **1.0.0.0**
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	PDS3	The attribute definition originated under PDS3	
	PDS4	The attribute definition originated under PDS4	

type in DD_Class_Full

Name: **type**			***Version Id:*** **1.0.0.0**
Description: The type attribute classifies the attribute definition according to origin.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Class_Full	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	PDS3	The class definition originated under PDS3	
	PDS4	The class definition originated under PDS4	

type in Facility

Name: **type**			***Version Id:*** **1.0.0.0**
Description: The type attribute classifies the facility according to its function.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Facility	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Laboratory	The facility is a laboratory	
	Observatory	The facility is an observatory	

type in Instrument

Name: **type**			***Version Id:*** **1.0.0.0**
Description: The type attribute classifies the instrument according to its function.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Instrument	*Type:* ASCII_Short_ String_Collapsed

Name: **type**			***Version Id:*** **1.0.0.0**
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Accelerometer	An instrument that measures proper (i.e., its own) acceleration.	
	Alpha Particle Detector	An instrument that measures the number and/or distribution of alpha particles.	
	Alpha Particle X-Ray Spectrometer	An instrument that bombards a sample with alpha particles and X-rays and measures the energy spectrum of scattered alpha particles and X-rays to determine the sample's elemental composition.	
	Altimeter	An instrument that measures its own altitude above a reference level (for example, a locally flat surface on the Earth)	
	Anemometer	An in situ instrument that measures wind speed.	
	Atomic Force Microscope	An instrument that uses atomic forces between a probe and a sample to produce high-resolution topographic scans of the sample.	
	Barometer	An in situ instrument that measures atmospheric pressure.	
	Biology Experiments	An instrument that conducts one or more experiments on samples to determine their potential for biological activity.	
	Bolometer	An instrument that estimates radiation intensity by measuring changes in electrical resistivity as the temperature of its sensor varies in response to the incident power density.	
	Camera	An instrument that records and stores analog images (compare 'imager').	
	Cosmic Ray Detector	An instrument that detects and/or measures cosmic rays.	
	Drilling Tool	A tool that drills into samples.	
	Dust Detector	An instrument that detects and/or measures dust.	
	Electrical Probe	An in situ instrument that measures electrical properties (e.g., conductivity) of a medium into which it is inserted.	
	Energetic Particle Detector	An instrument that detects and/or measures energetic charged particles.	
	Gamma Ray Detector	An instrument that detects and/or measures gamma rays.	
	Gas Analyzer	A high-temperature furnace combined with a mass spectrometer that heats a sample and analyzes the mass distribution of the evolved gases.	

Name: **type**			***Version Id:*** **1.0.0.0**
	Grinding Tool	A tool that grinds into samples.	
	Hygrometer	An instrument used to measure the moisture content of its environment.	
	Imager	An instrument that records and stores digital images (compare 'camera').	
	Imaging Spectrometer	An instrument that combines the functions of a spectrometer and an imager - i.e., it captures and stores multiple images, each at a slightly different wavelength.	
	Inertial Measurement Unit	An instrument that measures changes in its own velocity and orientation by using a combination of accelerometers, gyroscopes, and/or other devices.	
	Infrared Spectrometer	An instrument that measures the spectral distribution of infrared radiation.	
	Laser Induced Breakdown Spectrometer	An instrument that uses an active laser to generate a plasma from a target and then measures the energy spectrum of the evolved plasma.	
	Magnetometer	An instrument that measures the strength and/or direction of a magnetic field.	
	Mass Spectrometer	An instrument that measures the number of particles in a sample as a function of their mass.	
	Microwave Spectrometer	An instrument that measures the spectral distribution of microwave radiation.	
	Moessbauer Spectrometer	An instrument that uses the Mossbauer effect to determine the abundance of Fe-bearing minerals in a sample.	
	Naked Eye	Observations made with the naked eye and recorded in a data product.	
	Neutral Particle Detector	An instrument that detects and/or measures neutral particles.	
	Neutron Detector	An instrument that measures the number and/or energy distribution of neutrons.	
	Photometer	An instrument that measures radiation intensity (e.g., of visible light), sometimes with the goal of inferring optical properties of materials illuminated by the source and observed by the photometer.	
	Plasma Analyzer	An instrument that measures the spectral distribution of energy in a low-frequency plasma.	
	Plasma Detector	An instrument that detects and/or measures low energy charged particles.	
	Plasma Wave Spectrometer	An instrument that measures the energy distribution in a low-frequency plasma.	
	Polarimeter	An instrument that measures the polarization of electromagnetic radiation.	

Name: **type**			***Version Id:*** **1.0.0.0**
	Radar	An instrument that transmits and receives radio signals for the purpose of detecting, determining the range (distance) to, velocity of, and/or direction of one or more distant targets.	
	Radio Science	An instrument suite used to conduct measurements at radio frequencies.	
	Radio Spectrometer	An instrument that measures the spectral distribution of electromagnetic radiation at radio frequencies.	
	Radio Telescope	An instrument used to focus and capture radio waves.	
	Radiometer	An instrument which measures the radiant flux of electromagnetic radiation.	
	Reflectometer	An instrument that measures the reflectance of surfaces. An electron reflectometer measures the properties of electrons trapped along magnetic field lines to infer the strength and direction of the field remotely.	
	Robotic Arm	A tool used to place in-situ instruments on surface rocks or soil, dig into a surface, and/or to collect surface samples for other instruments to analyze on a spacecraft.	
	Spectrograph Imager	See Imaging Spectrometer.	
	Spectrometer	An instrument used to measure properties over a specific portion of a spectrum - for example, a mass spectrometer measures the number of particles in discrete mass ranges, and a radio spectrometer measures the amount of electromagnetic radiation as a function of frequency or wavelength.	
	Thermal Imager	An instrument that captures an image at thermal infrared wavelengths.	
	Thermal Probe	An in situ instrument that measures thermal properties (e.g., temperature) at one or more points along its length.	
	Thermometer	An instrument that measures temperature.	
	Ultraviolet Spectrometer	An instrument that measures the spectral distribution of ultraviolet radiation.	
	Wet Chemistry Laboratory	An instrument that mixes soil samples with solutions to measure material properties such as pH, conductivity, oxidation-reduction potential, etc.	
	X-ray Detector	An instrument that detects and/or measures X-rays.	
	X-ray Diffraction Spectrometer	An instrument that uses a beam of X-rays to probe the internal structure of a powdered sample and identify its mineral composition.	
	X-ray Fluorescence Spectrometer	An instrument that measures the emission of secondary X-rays to determine the elemental	

Name: **type**			***Version Id:*** **1.0.0.0**
		composition of a sample that has been irradiated with primary X-rays.	

type in Instrument_Host

Name: **type**			***Version Id:*** **1.0.0.0**
Description: The type attribute classifies the instrument host. When more than one value is correct, the value with the finest granularity should be selected. That is, choose "rover" rather than "spacecraft" when both would be correct since rover more narrowly defines the type of instrument host.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Instrument_Host	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Earth Based - *Deprecated*	The Instrument Host is classified as being of type Earth Based	
	Earth-based	The instrument host is on or near the surface of Earth (no more than 100 km altitude above the surface).	
	Lander	A spacecraft designed for descent to and operation at a single fixed point on the surface of a celestial body.	
	Rover	A spacecraft designed for descent to and mobile operation on the surface of a celestial body.	
	Spacecraft	A vehicle designed for travel in outer space ('outer space' is the region more than 100 km above the Earth's surface, a convention accepted in many contexts -- see http://en.wikipedia.org/wiki/Outer_space).	

type in Investigation

Name: **type**			***Version Id:*** **1.0.0.0**
Description: The type attribute classifies the investigation according to its scope.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Investigation	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Individual Investigation	A set of experiments and/or observations with a clearly defined purpose that uses existing	

Name: **type**			***Version Id:*** **1.0.0.0**
		facilities and is under the direction of a single individual. For example, a series of related laboratory experiments/observations conducted by a small university team and funded through a single proposal could be an Individual Investigation. Library research by one person on previously published results to distill common conclusions could also be an Individual Investigation.	
	Mission	A set of experiments and/or observations with a clearly defined purpose that occupies the designated resources for all (or at least a significant fraction) of the available time. A mission is usually conducted by a national or international space agency using a small number (often one) of spacecraft especially designed and built for the purpose. For example: (1) the NASA Voyager mission launched two spacecraft to Jupiter and Saturn; (2) the Deep Impact (DI) mission launched a spacecraft, part of which impacted the comet Tempel 2; and (3) the EPOXI mission redefined the objectives of the surviving DI hardware for further exploration of the solar system.	
	Observing Campaign	A set of experiments and/or observations with a clearly defined purpose that uses (primarily) existing facilities, but not exclusively. After (and possibly during) the campaign other investigations are carried out using the same facilities. For example, the International Halley Watch mobilized observatories around the world for collection of data during the most recent apparition of Comet Halley. The Shoemaker-Levy-9 (SL9) campaign used both Earth-based and spacecraft instruments to monitor the SL9 impact on Jupiter.	
	Other Investigation	Any other set of experiments and/or observations with a unifying theme.	

type in Investigation_Area

Name: **type**			***Version Id:*** **1.0.0.0**
Description: The type attribute classifies Investigation_Area according to the scope of the investigation..			
Namespace Id: pds	*Steward:* pds	*Class Name:* Investigation_Area	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	

Name: **type**			***Version Id:*** **1.0.0.0**
	Individual Investigation	A set of experiments and/or observations with a clearly defined purpose that uses existing facilities and is under the direction of a single individual. For example, a series of related laboratory experiments/observations conducted by a small university team and funded through a single proposal could be an Individual Investigation. Library research by one person on previously published results to distill common conclusions could also be an Individual Investigation.	
	Mission	A set of experiments and/or observations with a clearly defined purpose that occupies the designated resources for all (or at least a significant fraction) of the available time. A mission is usually conducted by a national or international space agency using a small number (often one) of spacecraft especially designed and built for the purpose. For example: (1) the NASA Voyager mission launched two spacecraft to Jupiter and Saturn; (2) the Deep Impact (DI) mission launched a spacecraft, part of which impacted the comet Tempel 2; and (3) the EPOXI mission redefined the objectives of the surviving DI hardware for further exploration of the solar system.	
	Observing Campaign	A set of experiments and/or observations with a clearly defined purpose that uses (primarily) existing facilities, but not exclusively. After (and possibly during) the campaign other investigations are carried out using the same facilities. For example, the International Halley Watch mobilized observatories around the world for collection of data during the most recent apparition of Comet Halley. The Shoemaker-Levy-9 (SL9) campaign used both Earth-based and spacecraft instruments to monitor the SL9 impact on Jupiter.	
	Other Investigation	Any other set of experiments and/or observations with a unifying theme.	

type in Observing_System_Component

Name: **type**			***Version Id:*** **1.0.0.0**
Description: The type attribute classifies the observing system component according to its function.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Observing_System_Component	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None

Name: **type**			***Version Id:*** **1.0.0.0**
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Artificial Illumination	The observing system component provides artificial illumination	
	Instrument	The observing system component is an instrument	
	Laboratory	The observing system component is a laboratory	
	Literature Search	The observing system component is a literature search	
	Naked Eye	The observing system component is the unaided eye of a person	
	Observatory	The observing system component is an observatory	
	Spacecraft	The observing system component is a spacecraft	
	Telescope	The observing system component is a telescope	

type in Primary_Result_Summary *Deprecated*

Name: **type *Deprecated***			***Version Id:*** **1.0.0.0**
Description: The type attribute provides a classification for the resource.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Primary_ Result_Summary	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Deprecated	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Altimetry	Measurement of altitude.	
	Astrometry	Precise measurement of positions of heavenly bodies.	
	Count	A recording of the number of discrete events	
	E/B-Field Vectors	Arrays populated by values of the electric/ magnetic field in three orthogonal directions.	
	Gravity Model	An approximation to the gravity field of an object derived from measurement and/or theory	
	Image	A two-dimensional representation of a field of view	
	Lightcurves	This value indicates data products containing time-sequences of magnitude measurements for one or more individual targets (typically asteroids or comets).	

Name: **type *Deprecated***			***Version Id:*** **1.0.0.0**
	Map	A two-dimensional representation of the plan view of a surface	
	Meteorology	Measurements of the meteorological conditions of an atmosphere such as pressure, temperature, wind speed, etc.	
	Null Result	Measurements which failed.	
	Occultation	Measurements conducted when one celestial body progressively hides another	
	Photometry	Measurement of light flux	
	Physical Parameters	This value indicates data products containing compilations of one or more physical parameters - like albedo, density, absolute magnitude, etc. It is generally used for data that combines these highly-derived results from multiple sources.	
	Polarimetry	Measurement of the polarization state of radiation.	
	Radiometry	Measurement of the radiation coming from a body, usually at infrared and longer wavelengths	
	Reference	A Reference product provides ancillary information needed to support the use of another data product. Reference products include things like tables of foot notes or lists of detailed citations, and are usually associated with data products compiled from the published literature.	
	Shape Model	An approximation to the shape of an object derived from measurements and/or theory	
	Spectrum	An array containing values of a dependent variable as a function of an independent variable.	

type in Quaternion

Name: **type**			***Version Id:*** **1.0.0.0**
Description: The type attribute classifies the quaternion according to how its elements are stored and used.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Quaternion	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	SPICE	The quaternion has components zero through three, with the 0th component being the scalar, and the 1st, 2nd and 3rd being the vector components.	
	Spacecraft Telemetry	The quaternion has components one through four, with the 4th component being the scalar,	

Name: **type**			***Version Id:*** **1.0.0.0**
		and the 1st, 2nd and 3rd being the vector components.	

type in Resource

Name: **type**			***Version Id:*** **1.0.0.0**
Description: The type attribute classifies the Resource according to its function.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Resource	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Information.Agency	The web resource provides information about an agency.	
	Information.Instrument	The web resource provides information about an instrument	
	Information.Instrument_Host	The web resource provides information about an instrument host	
	Information.Investigation	The web resource provides information about an investigation	
	Information.Node	The web resource provides information about a node	
	Information.Person	The web resource provides information about a person	
	Information.Resource	The web resource provides information about a generic resource	
	Information.Science_Portal	The web resource provides information about a science portal	
	Information.Target	The web resource provides information about a target	
	System.Browse	The system resource provides browse functionality.	
	System.Directory_Listing	The system resource provides a directory listing.	
	System.Registry_Query	The system resource provides registry query functionality.	
	System.Search	The system resource provides search functionality.	
	System.Transform	The system resource provides transform functionality.	
	System.Transport	The system resource provides transport functionality.	

type in Target

Name: **type**			***Version Id:*** **1.0.0.0**
Description: The type attribute classifies a target according to its size and properties.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Target	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Asteroid	The target is classified as an asteroid	
	Comet	The target is classified as a comet	
	Dust	The target is classified as dust	
	Dwarf Planet	The target is classified as a dwarf planet	
	Galaxy	The target is classified as a galaxy	
	Globular Cluster	The target is classified as a globular cluster	
	Meteorite	The target is classified as a meteorite	
	Meteoroid	The target is classified as a meteoroid	
	Meteoroid Stream	The target is classified as a meteoroid stream	
	Nebula	The target is classified as a nebula	
	Open Cluster	The target is classified as an open cluster	
	Planet	The target is classified as a planet	
	Planetary Nebula	The target is classified as a planetary nebula	
	Planetary System	The target is classified as a planetary system	
	Plasma Cloud	The target is classified as a plasma cloud	
	Plasma Stream	Target is classified as a plasma stream.	
	Ring	The target is classified as a ring	
	Satellite	The target is classified as a satellite	
	Star	The target is classified as a star	
	Star Cluster	The target is classified as a star cluster	
	Sun	The target is classified as a sun	
	Terrestrial Sample	The target is classified as a terrestrial sample	
	Trans-Neptunian Object	The target is classified as a trans-Neptunian object	

type in Target_Identification

Name: **type**			***Version Id:*** **1.0.0.0**
Description: The type attribute classifies a target according to its size and properties so that correct nomenclature can be applied.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Target_Identification	*Type:* ASCII_Short_String_Collapsed

Name: **type**			***Version Id:*** **1.0.0.0**
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Asteroid	The target is classified as an asteroid	
	Calibration	The Target is classified as calibration	
	Comet	The target is classified as a comet	
	Dust	The target is classified as dust	
	Dwarf Planet	The target is classified as a dwarf planet	
	Galaxy	The target is classified as a galaxy	
	Globular Cluster	The target is classified as a globular cluster	
	Meteorite	The target is classified as a meteorite	
	Meteoroid	The target is classified as a meteoroid	
	Meteoroid Stream	The target is classified as a meteoroid stream	
	Nebula	The target is classified as a nebula	
	Open Cluster	The target is classified as an open cluster	
	Planet	The target is classified as a planet	
	Planetary Nebula	The target is classified as a planetary nebula	
	Planetary System	The target is classified as a planetary system	
	Plasma Cloud	The target is classified as a plasma cloud	
	Plasma Stream	Target is classified as a plasma stream.	
	Ring	The target is classified as a ring	
	Satellite	The target is classified as a satellite	
	Star	The target is classified as a star	
	Star Cluster	The target is classified as a star cluster	
	Sun	The target is classified as a sun	
	Terrestrial Sample	The target is classified as a terrestrial sample	
	Trans-Neptunian Object	The target is classified as a trans-Neptunian object	

type in Unit_Of_Measure

Name: **type**			***Version Id:*** **1.0.0.0**
Description: The type attribute provides a classification for the resource.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Unit_Of_Measure	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	

Name: **type**			***Version Id:*** **1.0.0.0**
Permissible Value(s)	*No Values*		

type in Units_of_Acceleration

Name: **type**			***Version Id:*** **1.0.0.0**
Description: The type attribute classifies the units of acceleration according to the quantity (acceleration) being measured.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Acceleration	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Acceleration	Units_of_Acceleration is classified as being of type Acceleration	

type in Units_of_Amount_Of_Substance

Name: **type**			***Version Id:*** **1.0.0.0**
Description: The type attribute classifies the units of amount of substance according to the quantity being measured (amount of substance).			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Amount_Of_Substance	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Amount_Of_Substance	Units_of_Amount_Of_Substance is classified as being of type Amount_Of_Substance	

type in Units_of_Angle

Name: **type**			***Version Id:*** **1.0.0.0**
Description: The type attribute classifies the units of angle according to the quantity being measured (angle).			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Angle	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	

Name: **type**			***Version Id:*** **1.0.0.0**
Permissible Value(s)	*Value*	*Value Meaning*	
	Angle	Units_of_Angle is classified as being of type Angle	

type in Units_of_Angular_Velocity

Name: **type**			***Version Id:*** **1.0.0.0**
Description: The type attribute classifies the units of angular velocity according to the quantity being measured (angular velocity).			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Angular_Velocity	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Angular_Velocity	Units_of_Angular_Velocity is classified as being of type Angular_Velocity	

type in Units_of_Area

Name: **type**			***Version Id:*** **1.0.0.0**
Description: The type attribute classifies the units of area according to the quantity being measured (area).			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Area	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Area	Units_of_Area is classifed as being of type Area	

type in Units_of_Current

Name: **type**			***Version Id:*** **1.0.0.0**
Description: The type attribute classifies the units of current according to the quantity being measured (current).			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Current	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None

Name: **type**			***Version Id:*** **1.0.0.0**
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Current	Units_of_Current is classified as being of type Current	

type in Units_of_Frame_Rate

Name: **type**			***Version Id:*** **1.0.0.0**
Description: The type attribute classifies the units of frame rate according to the quantity being measured (frame rate).			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Frame_Rate	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Frame_Rate	Units_of_Frame_Rate is classified as being of type Frame Rate	

type in Units_of_Frequency

Name: **type**			***Version Id:*** **1.0.0.0**
Description: The type attribute classifies the units of frequency according to the quantity being measured (frequency).			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Frequency	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Frequency	Units_of_Frequency is classified as being of type Frequency	

type in Units_of_Length

Name: **type**			***Version Id:*** **1.0.0.0**
Description: The type attribute classifies the units of length according to the quantity being measured (length).			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Length	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None

Name: **type**			***Version Id:*** **1.0.0.0**
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Length	Units_of_Length is classified as being of type Length	

type in Units_of_Map_Scale

Name: **type**			***Version Id:*** **1.0.0.0**
Description: The type attribute provides a classification for the resource.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Map_Scale	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Scale	Units_of_Map_Scale is classified as being of type Scale	

type in Units_of_Mass

Name: **type**			***Version Id:*** **1.0.0.0**
Description: The type attribute classifies units of mass according to the quantity being measured (mass).			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Mass	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Mass	Units_of_Mass is classified as being of type Mass	

type in Units_of_Misc

Name: **type**			***Version Id:*** **1.0.0.0**
Description: The type attribute provides a classification for the resource.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Misc	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None

Name: **type**			***Version Id:*** **1.0.0.0**
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Miscellaneous	Units_of_Misc is classified as being of type Miscellaneous	

type in Units_of_None

Name: **type**			***Version Id:*** **1.0.0.0**
Description: The type attribute provides a classification for the resource.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_None	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	None	Units_of_None is classified as being of type None	

type in Units_of_Optical_Path_Length

Name: **type**			***Version Id:*** **1.0.0.0**
Description: The type attribute classifies units of optical path length according to the quantity being measured (optical path length).			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Optical_Path_Length	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Optical_Path_Length	Units_of_Optical_Path_Length is classified as being of type Optical_Path_Length	

type in Units_of_Pressure

Name: **type**			***Version Id:*** **1.0.0.0**
Description: The type attribute classifies units of pressure according to the quantity being measured (pressure).			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Pressure	*Type:* ASCII_Short_String_Collapsed

Name: **type**			***Version Id:*** **1.0.0.0**
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Pressure	Units_of_Pressure is classified as being of type Pressure	

type in Units_of_Radiance

Name: **type**			***Version Id:*** **1.0.0.0**
Description: The type attribute classifies units of radiance according to the quantity being measured (radiance).			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Radiance	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Radiance	Units_of_Radiance is classified as being of type Radiance	

type in Units_of_Rates

Name: **type**			***Version Id:*** **1.0.0.0**
Description: The type attribute provides a classification for the resource.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Rates	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Rates	Units_of_Rates is classified as being of type Rates	

type in Units_of_Solid_Angle

Name: **type**	***Version Id:*** **1.0.0.0**
Description: The type attribute classifies units of solid angle according to the quantity being measured (sold angle).	

Name: **type**			***Version Id:*** **1.0.0.0**
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Solid_Angle	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Solid_Angle	Units_of_Solid_Angle is classified as being of type Solid_Angle	

type in Units_of_Spectral_Irradiance

Name: **type**			***Version Id:*** **1.0.0.0**
Description: The type attribute classifies units of spectral irradiance according to the quantity being measured (spectral irradiance).			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Spectral_Irradiance	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Spectral_Irradiance	Units_of_Spectral_Irradiance is classified as being of the type Spectral_Irradiance	

type in Units_of_Spectral_Radiance

Name: **type**			***Version Id:*** **1.0.0.0**
Description: The type attribute classifies units of spectral radiance according to the quantity being measured (spectral radiance).			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Spectral_Radiance	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Spectral_Radiance	Units_of_Spectral_Radiance is classified as being of the type Spectral_Radiance	

type in Units_of_Storage

Name: **type**			***Version Id:*** **1.0.0.0**
Description: The type attribute classifies units of storage according to the quantity being measured (storage).			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Storage	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Storage	Units_of_Storage is classified as being of type Storage	

type in Units_of_Temperature

Name: **type**			***Version Id:*** **1.0.0.0**
Description: The type attribute classifies units of temperature according to the quantity being measured (temperature).			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Temperature	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Temperature	Units_of_Temperature is classified as being of type Temperature	

type in Units_of_Time

Name: **type**			***Version Id:*** **1.0.0.0**
Description: The type attribute classifies units of time according to the quantity being measured (time).			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Time	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Time	Units_of_Time is classified as being of type Time	

type in Units_of_Velocity

Name: **type**			***Version Id:*** **1.0.0.0**
Description: The type attribute classifies units of velocity according to the quantity being measured (velocity).			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Velocity	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Velocity	Units_of_Velocity is classified as being of type Velocity	

type in Units_of_Voltage

Name: **type**			***Version Id:*** **1.0.0.0**
Description: The type attribute classifies units of voltage according to the quantity being measured (voltage).			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Voltage	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Voltage	Units_of_Voltage is classified as being of type Voltage	

type in Units_of_Volume

Name: **type**			***Version Id:*** **1.0.0.0**
Description: The type attribute classifies units of volume according to the quantity being measured (volume).			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Volume	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Volume	Units_of_Volume is classified as being of the type Volume	

type in Units_of_Wavenumber

Name: **type**			***Version Id:*** **1.0.0.0**
Description: The type attribute classifies units of wavenumber according to the quantity being measured (wavenumber).			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_ Wavenumber	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Wavenumber	Units_of_Wavenumber is classified as being of the type Wavenumber	

type in Vector

Name: **type**			***Version Id:*** **1.0.0.0**
Description: The type attribute classifies Vector according to the meaning of its contents.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Vector	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Acceleration	Vector contains the components of an acceleration	
	Pointing	Vector contains the components of a direction	
	Position	Vector contains the components of a position	
	Velocity	Vector contains the components of a velocity	

unit in Axis_Array *Deprecated*

Name: **unit *Deprecated***			***Version Id:*** **1.0.0.0**
Description: The unit attribute provides the unit of measurement.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Axis_ Array	*Type:* UTF8_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Text
Status: Deprecated	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

unit in Element_Array

Name: **unit**			***Version Id:*** **1.0.0.0**
Description: The unit attribute provides the unit of measurement.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Element_ Array	*Type:* UTF8_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Unit	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

unit in Field_Binary

Name: **unit**			***Version Id:*** **1.0.0.0**
Description: The unit attribute provides the unit of measurement.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Field_ Binary	*Type:* UTF8_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Unit	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

unit in Field_Bit

Name: **unit**			***Version Id:*** **1.0.0.0**
Description: The unit attribute provides the unit of measurement.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Field_Bit	*Type:* UTF8_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Unit	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

unit in Field_Character

Name: **unit**			***Version Id:*** **1.0.0.0**
Description: The unit attribute provides the unit of measurement.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Field_ Character	*Type:* UTF8_Short_ String_Collapsed

Name: **unit**			***Version Id:*** **1.0.0.0**
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Unit	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

unit in Field_Delimited

Name: **unit**			***Version Id:*** **1.0.0.0**
Description: The unit attribute provides the unit of measurement.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Field_ Delimited	*Type:* UTF8_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Unit	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

unit in Vector_Component

Name: **unit**			***Version Id:*** **1.0.0.0**
Description: The unit attribute provides the unit of measurement.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Vector_ Component	*Type:* UTF8_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Unit	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

unit_id in Unit_Of_Measure

Name: **unit_id**			***Version Id:*** **1.0.0.0**
Description: The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Unit_Of_ Measure	*Type:* UTF8_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

unit_id in Units_of_Acceleration

Name: **unit_id**			***Version Id:*** **1.0.0.0**
Description: The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Acceleration	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	cm/s**2	The abbreviated unit for Units_of_Acceleration is cm/s**2	
	km/s**2	The abbreviated unit for Units_of_Acceleration is km/s**2	
	m/s**2	The abbreviated unit for Units_of_Acceleration is m/s**2	

unit_id in Units_of_Amount_Of_Substance

Name: **unit_id**			***Version Id:*** **1.0.0.0**
Description: The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Amount_Of_Substance	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	mol	The abbreviated unit for Units_of_Amount_Of_Substance is mol	

unit_id in Units_of_Angle

Name: **unit_id**			***Version Id:*** **1.0.0.0**
Description: The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Angle	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String

Name: **unit_id**			***Version Id:*** **1.0.0.0**
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	arcmin	The abbreviated unit for Units_of_Angle is arcmin	
	arcsec	The abbreviated unit for Units_of_Angle is arcsec	
	deg	The abbreviated unit for Units_of_Angle is deg	
	hr	The abbreviated unit for Units_of_Angle is hr	
	mrad	The abbreviated unit for Units_of_Angle is mrad	
	rad	The abbreviated unit for Units_of_Angle is rad	

unit_id in Units_of_Angular_Velocity

Name: **unit_id**			***Version Id:*** **1.0.0.0**
Description: The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Angular_Velocity	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	deg/day	The abbreviated unit for Units_of_Angular_Velocity is deg/day	
	deg/s	The abbreviated unit for Units_of_Angular_Velocity is deg/s	
	rad/s	The abbreviated unit for Units_of_Angular_Velocity is rad/s	

unit_id in Units_of_Area

Name: **unit_id**			***Version Id:*** **1.0.0.0**
Description: The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Area	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	m**2	The abbreviated unit for Units_of_Area is m**2	

unit_id in Units_of_Current

Name: **unit_id**			***Version Id:*** **1.0.0.0**
Description: The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Current	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	A	The abbreviated unit for Units_of_Current is A	
	mA	The abbreviated unit for Units_of_Current is mA	

unit_id in Units_of_Frame_Rate

Name: **unit_id**			***Version Id:*** **1.0.0.0**
Description: The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Frame_Rate	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	frames/s	The abbreviated unit for Units_of_Frame_Rate is frames/s	

unit_id in Units_of_Frequency

Name: **unit_id**			***Version Id:*** **1.0.0.0**
Description: The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Frequency	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Hz	The abbreviated unit for Units_of_Frequency is Hz	

unit_id in Units_of_Length

Name: **unit_id**			***Version Id:*** **1.0.0.0**
Description: The unit_id attribute provides a character or character string that serves as an abbreviation for, or symbol representing, a unit of measure.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Length	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	AU	The abbreviated unit for Units_of_Length is AU (astronomical unit)	
	Angstrom	The abbreviated unit for Units_of_Length is Angstrom	
	cm	The abbreviated unit for Units_of_Length is cm	
	km	The abbreviated unit for Units_of_Length is km	
	m	The abbreviated unit for Units_of_Length is m	
	micrometer	The abbreviated unit for Units_of_Length is micrometer (10-6 m)	
	mm	The abbreviated unit for Units_of_Length is mm (10-3 m)	
	nm	The abbreviated unit for Units_of_Length is nm (10-9 m)	

unit_id in Units_of_Map_Scale

Name: **unit_id**			***Version Id:*** **1.0.0.0**
Description: The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Map_Scale	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	km/pixel	The abbreviated unit for Units_of_Map_Scale is km/pixel	
	m/pixel	The abbreviated unit for Units_of_Map_Scale is m/pixel	
	mm/pixel	The abbreviated unit for Units_of_Map_Scale is mm/pixel	

Name: **unit_id**			***Version Id:*** **1.0.0.0**
	pixel/deg	The abbreviated unit for Units_of_Map_Scale is pixel/deg	

unit_id in Units_of_Mass

Name: **unit_id**			***Version Id:*** **1.0.0.0**
Description: The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Mass	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	g	The abbreviated unit for Units_of_Mass is g	
	kg	The abbreviated unit for Units_of_Mass is kg	

unit_id in Units_of_Misc

Name: **unit_id**			***Version Id:*** **1.0.0.0**
Description: The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Misc	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	DN	The abbreviated unit for Units_of_Misc is DN	
	electron/DN	The abbreviated unit for Units_of_Misc is electron/DN	
	pixel	The abbreviated unit for Units_of_Misc is pixel	

unit_id in Units_of_None

Name: **unit_id**			***Version Id:*** **1.0.0.0**
Description: The unit_id attribute provides a character or character string that serves as an abbreviation for, or symbol representing, a unit of measure.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_None	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255

Name: **unit_id**			***Version Id:*** **1.0.0.0**
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	none	Dimensionless quantities have no abbreviated unit	

unit_id in Units_of_Optical_Path_Length

Name: **unit_id**			***Version Id:*** **1.0.0.0**
Description: The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Optical_Path_Length	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	airmass	The abbreviated unit for Units_of_Optical_Path_Length is airmass	

unit_id in Units_of_Pressure

Name: **unit_id**			***Version Id:*** **1.0.0.0**
Description: The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Pressure	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Pa	The abbreviated unit for Units_of_Pressure is Pa	
	bar	The abbreviated unit for Units_of_Pressure is bar (10**5 Pa)	
	hPa	The abbreviated unit for Units_of_Pressure is hPa (100 Pa)	
	mbar	The abbreviated unit for Units_of_Pressure is mbar (100 Pa)	

unit_id in Units_of_Radiance

Name: **unit_id**			***Version Id:*** **1.0.0.0**
Description: The unit_id attribute provides a character or character string that serves as an abbreviation for, or symbol representing, a unit of measure.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Radiance	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	W*m**-2*sr**-1 - *Deprecated*	The abbreviated unit of Units_of_Radiance is W*m**-2*sr**-1	
	W/(m**2*sr)	The abbreviated unit of Units_of_Radiance is W/(m**2*sr)	

unit_id in Units_of_Rates

Name: **unit_id**			***Version Id:*** **1.0.0.0**
Description: The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Rates	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	counts/bin	The abbreviated unit for Units_of_Rates is counts/bin	
	kilobits/s	The abbreviated unit for Units_of_Rates is kilobits/s	

unit_id in Units_of_Solid_Angle

Name: **unit_id**			***Version Id:*** **1.0.0.0**
Description: The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Solid_Angle	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String

Name: **unit_id**			***Version Id:*** **1.0.0.0**
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	sr	The abbreviated unit for Units_of_Solid_Angle is sr	

unit_id in Units_of_Spectral_Irradiance

Name: **unit_id**			***Version Id:*** **1.0.0.0**
Description: The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Spectral_Irradiance	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	SFU	The abbreviated unit for Units_of_Spectral_Irradiance is SFU	
	W*m**-2*Hz**-1 - *Deprecated*	The abbreviated unit for Units_of_Spectral_Irradiance is W*m**-2*Hz**-1	
	W*m**-2*nm**-1 - *Deprecated*	The abbreviated unit for Units_of_Spectral_Irradiance is W*m**-2*nm**-1	
	W*m**-3 - *Deprecated*	The abbreviated unit for Units_of_Spectral_Irradiance is W*m**-3	
	W/m**2/Hz	The abbreviated unit of Units_of_Spectral_Irradiance is W/m**2/Hz	
	W/m**2/nm	The abbreviated unit of Units_of_Spectral_Irradiance is W/m**2/nm	
	W/m**3	The abbreviated unit of Units_of_Spectral_Irradiance is W/m**3	
	uW*cm**-2*um**-1 - *Deprecated*	The abbreviated unit for Units_of_Spectral_Irradiance is uW*cm**-2*um**-1	
	µW/cm**2/µm	The abbreviated unit for Units_of_Spectral_Radiance is µW/cm**2/µm	

unit_id in Units_of_Spectral_Radiance

Name: **unit_id**			***Version Id:*** **1.0.0.0**
Description: The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Spectral_Radiance	*Type:* UTF8_Short_String_Collapsed

Name: **unit_id**			***Version Id:*** **1.0.0.0**
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	W*m**-2*sr**-1*Hz** - *Deprecated*	The abbreviated unit for Units_of_Spectral_Radiance is W*m**-2*sr**-1*Hz**-1	
	W*m**-2*sr**-1*nm** - *Deprecated*	The abbreviated unit for Units_of_Spectral_Radiance is W*m**-2*sr**-1*nm**-1	
	W*m**-2*sr**-1*um** - *Deprecated*	The abbreviated unit for Units_of_Spectral_Radiance is W*m**-2*sr**-1*um**-1	
	W*m**-3*sr**-1 - *Deprecated*	The abbreviated unit for Units_of_Spectral_Radiance is W*m**-3*sr**-1	
	W/m**2/sr/Hz	The abbreviated unit of Units_of_Spectral_Radiance is W/m**2/sr/Hz	
	W/m**2/sr/nm	The abbreviated unit of Units_of_Spectral_Radiance is W/m**2/sr/nm	
	W/m**2/sr/µm	The abbreviated unit for Units_of_Spectral_Radiance is W/m**2/sr/µm	
	W/m**3/sr	The abbreviated unit of Units_of_Spectral_Radiance is W/m**3/sr	
	uW*cm**-2*sr**-1*um** - *Deprecated*	The abbreviated unit for Units_of_Spectral_Radiance is uW*cm**-2*sr**-1*um**-1	
	µW/cm**2/sr/µm	The abbreviated unit for Units_of_Spectral_Radiance is µW/cm**2/sr/µm	

unit_id in Units_of_Storage

Name: **unit_id**			***Version Id:*** **1.0.0.0**
Description: The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Storage	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	byte	The abbreviated unit of Units_of_Storage is byte	

unit_id in Units_of_Temperature

Name: **unit_id**			***Version Id:*** **1.0.0.0**
Description: The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Temperature	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	K	The abbreviated unit of Units_of_Temperature is K	
	degC	The abbreviated unit of Units_of_Temperature is degC	

unit_id in Units_of_Time

Name: **unit_id**			***Version Id:*** **1.0.0.0**
Description: The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Time	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	day	The abbreviated unit for Units_of_Time is day	
	hr	The abbreviated unit for Units_of_Time is hr	
	julian day	The abbreviated unit for Units_of_Time is julian day	
	microseconds	The abbreviated unit for Units_of_Time is microseconds	
	min	The abbreviated unit for Units_of_Time is min	
	ms	The abbreviated unit for Units_of_Time is ms	
	s	The abbreviated unit for Units_of_Time is s	
	yr	The abbreviated unit for Units_of_Time is yr	

unit_id in Units_of_Velocity

Name: **unit_id**			***Version Id:*** **1.0.0.0**
Description: The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Velocity	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	cm/s	The abbreviated unit for Units_of_Velocity is cm/s	
	km/s	The abbreviated unit for Units_of_Velocity is km/s	
	m/s	The abbreviated unit for Units_of_Velocity is m/s	

unit_id in Units_of_Voltage

Name: **unit_id**			***Version Id:*** **1.0.0.0**
Description: The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Voltage	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	V	The abbreviated unit for Units_of_Voltage is V	
	mV	The abbreviated unit for Units_of_Voltage is mV	

unit_id in Units_of_Volume

Name: **unit_id**			***Version Id:*** **1.0.0.0**
Description: The unit_id attribute provides a character or character string which serves as an abbreviation for, or symbol representing, a unit of measure.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Volume	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255

Name: **unit_id**			***Version Id:*** **1.0.0.0**
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	L	The abbreviated unit for Units_of_Volume is L	
	m**3	The abbreviated unit for Units_of_Volume is m**3	

unit_id in Units_of_Wavenumber

Name: **unit_id**			***Version Id:*** **1.0.0.0**
Description: The unit_id attribute provides a character or character string that serves as an abbreviation for, or symbol representing, a unit of measure.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Units_of_Wavenumber	*Type:* UTF8_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	1/cm	The abbreviated unit of Units_of_Wavenumber is 1/cm	
	1/m	The abbreviated unit of Units_of_Wavenumber is 1/m	
	1/nm	The abbreviated unit of Units_of_Wavenumber is 1/nm	
	cm**-1 - *Deprecated*	The abbreviated unit for Units_of_Wavenumber is cm**-1	
	m**-1 - *Deprecated*	The abbreviated unit for Units_of_Wavenumber is m**-1	
	nm**-1 - *Deprecated*	The abbreviated unit for Units_of_Wavenumber is nm**-1	

unit_of_measure_type in DD_Value_Domain

Name: **unit_of_measure_type**			***Version Id:*** **1.0.0.0**
Description: The unit_of_measure_type attribute identifies the class from which the attribute being defined in this data dictionary draws its possible expressions for units.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_Value_Domain	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	

Name: **unit_of_measure_type**		***Version Id:*** **1.0.0.0**
Permissible Value(s)	*Value*	*Value Meaning*
	Units_of_Acceleration	The attribute being defined uses one of the values of unit_id listed in class Units_of_Acceleration.
	Units_of_Amount_Of_Substance	The attribute being defined uses one of the values of unit_id listed in class Units_of_Amounts_of_Substance
	Units_of_Angle	The attribute being defined uses one of the values of unit_id listed in class Units_of_Angle
	Units_of_Angular_Velocity	The attribute being defined uses one of the values of unit_id listed in class Units_of_Angular_Velocity
	Units_of_Area	The attribute being defined uses one of the values of unit_id listed in class Units_of_Area
	Units_of_Current	The attribute being defined uses one of the values of unit_id listed in class Units_of_Current
	Units_of_Frame_Rate	The attribute being defined uses one of the values of unit_id listed in class Units_of_Frame_Rate
	Units_of_Frequency	The attribute being defined uses one of the values of unit_id listed in class Units_of_Frequency
	Units_of_Length	The attribute being defined uses one of the values of unit_id listed in class Units_of_Length
	Units_of_Map_Scale	The attribute being defined uses one of the values of unit_id listed in class Units_of_Map_Scale
	Units_of_Mass	The attribute being defined uses one of the values of unit_id listed in class Units_of_Mass
	Units_of_Misc	The attribute being defined uses one of the values of unit_id listed in class Units_of_Misc
	Units_of_None	The attribute being defined is dimensionless.
	Units_of_Optical_Path_Length	The attribute being defined uses one of the values of unit_id listed in class Units_of_Optical_Path_Length
	Units_of_Pressure	The attribute being defined uses one of the values of unit_id listed in class Units_of_Pressure
	Units_of_Radiance	The attribute being defined uses one of the values of unit_id listed in class Units_of_Radiance
	Units_of_Rates	The attribute being defined uses one of the values of unit_id listed in class Units_of_Rates
	Units_of_Solid_Angle	The attribute being defined uses one of the values of unit_id listed in class Units_of_Solid_Angle
	Units_of_Spectral_Irradiance	The attribute being defined uses one of the values of unit_id listed in class Units_of_Spectral_Irradiance

Name: **unit_of_measure_type**			***Version Id:*** **1.0.0.0**
	Units_of_Spectral_ Radiance	The attribute being defined uses one of the values of unit_id listed in class Units_of_Spectral_Radiance	
	Units_of_Storage	The attribute being defined uses one of the values of unit_id listed in class Units_of_Storage	
	Units_of_Temperature	The attribute being defined uses one of the values of unit_id listed in class Units_of_Temperature	
	Units_of_Time	The attribute being defined uses one of the values of unit_id listed in class Units_of_Time	
	Units_of_Velocity	The attribute being defined uses one of the values of unit_id listed in class Units_of_Velocity	
	Units_of_Voltage	The attribute being defined uses one of the values of unit_id listed in class Units_of_Voltage	
	Units_of_Volume	The attribute being defined uses one of the values of unit_id listed in class Units_of_Volume	
	Units_of_Wavenumber	The attribute being defined uses one of the values of unit_id listed in class Units_of_Wavenumber	

unit_of_measure_type in DD_Value_Domain_ Full

Name: **unit_of_measure_type**			***Version Id:*** **1.0.0.0**
Description: The unit_of_measure_type attribute identifies the class from which the attribute being defined in this data dictionary draws its possible expressions for units.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Value_Domain_Full	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Units_of_Amount_Of_ Substance	The attribute being defined uses one of the values of unit_id listed in class Units_of_Amount_of_Substance	
	Units_of_Angle	The value is given in a unit which conveys angle	
	Units_of_Angular_ Velocity	The value is given in a unit which conveys angular velocity	
	Units_of_Area	The value is given in a unit which conveys area	
	Units_of_Current	The value is given in a unit which conveys current	

Name: **unit_of_measure_type**			*Version Id:* **1.0.0.0**
	Units_of_Frame_Rate	The value is given in a unit which conveys frame rate	
	Units_of_Frequency	The value is given in a unit which conveys frequency	
	Units_of_Length	The value is given in a unit which conveys length	
	Units_of_Map_Scale	The value is given in a unit which conveys map scale	
	Units_of_Mass	The value is given in a unit which conveys mass	
	Units_of_Misc	The value is given in a unit which is in a miscellaneous category	
	Units_of_None	The value is given without regard to a unit of measure	
	Units_of_Optical_ Path_Length	The value is given in a unit which conveys optical path length	
	Units_of_Pressure	The value is given in a unit which conveys pressure	
	Units_of_Radiance	The value is given in a unit which conveys radiance	
	Units_of_Rates	The value is given in a unit which conveys rates or counts per unit time	
	Units_of_Solid_Angle	The value is given in a unit which conveys solid angle	
	Units_of_Spectral_ Irradiance	The value is given in a unit which conveys spectral irradiance	
	Units_of_Spectral_ Radiance	The value is given in a unit which conveys spectral radiance	
	Units_of_Storage	The value is given in a unit which conveys computer storage	
	Units_of_Temperature	The value is given in a unit which conveys temperature	
	Units_of_Time	The value is given in a unit which conveys time	
	Units_of_Velocity	The value is given in a unit which conveys velocity	
	Units_of_Voltage	The value is given in a unit which conveys voltage	
	Units_of_Volume	The value is given in a unit which conveys volume	
	Units_of_Wavenumber	The value is given in a unit which conveys wavenumber	

unknown_constant in Special_Constants

Name: **unknown_constant**	*Version Id:* **1.0.0.0**
Description: The unknown_constant attribute provides a value that indicates the original value was unknown.	

Name: **unknown_constant**			***Version Id:*** **1.0.0.0**
Namespace Id: pds	*Steward:* pds	*Class Name:* Special_ Constants	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Constant	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

url in External_Reference_Extended

Name: **url**			***Version Id:*** **1.0.0.0**
Description: The url attribute provides a Uniform Resource Identifier (URI) that specifies where a resource is available and the mechanism for retrieving it.			
Namespace Id: pds	*Steward:* ops	*Class Name:* External_ Reference_Extended	*Type:* ASCII_AnyURI
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

url in Resource

Name: **url**			***Version Id:*** **1.0.0.0**
Description: The url attribute provides a Uniform Resource Identifier (URI) that specifies where a resource is available and the mechanism for retrieving it.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Resource	*Type:* ASCII_AnyURI
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

users_manual_id in Software

Name: **users_manual_id**			***Version Id:*** **1.0.0.0**
Description: The users manual id attribute provides a formal name used to refer to a manual that describes how to use the software.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Software	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None

Name: **users_manual_id**			***Version Id:*** **1.0.0.0**
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

valid_maximum in Special_Constants

Name: **valid_maximum**			***Version Id:*** **1.0.0.0**
Description: The valid_maximum attribute specifies the maximum valid value in the field or digital object with which the Special_Constants class is associated. Values above the valid_maximum have a special meaning. Values of this attribute should be represented in the same data_type as the elements in the object or field described. (Note that PDS3 had no qube-related valid_maximum values because all special constants were set below the valid_minimum.)			
Namespace Id: pds	*Steward:* pds	*Class Name:* Special_ Constants	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Maximum	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

valid_minimum in Special_Constants

Name: **valid_minimum**			***Version Id:*** **1.0.0.0**
Description: The valid_minimum attribute specifies the minimum valid value in the field or digital object with which the Special_Constants class is associated. Values below the valid_minimum have a special meaning. Values of this attribute should be represented in the same data_type as the elements in the object or field described.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Special_ Constants	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Minimum	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

value in DD_Permissible_Value

Name: **value**			***Version Id:*** **1.0.0.0**
Description: The value attribute provides a single, allowed numerical or character string value.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Permissible_Value	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255

Name: **value**			***Version Id:*** **1.0.0.0**
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

value in DD_Permissible_Value_Full

Name: **value**			***Version Id:*** **1.0.0.0**
Description: The value attribute provides a single, allowed numerical or character string value.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Permissible_Value_ Full	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

value in Quaternion_Component

Name: **value**			***Version Id:*** **1.0.0.0**
Description: The value attribute provides a single, allowed numerical or character string value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Quaternion_ Component	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

value in Vector_Component

Name: **value**			***Version Id:*** **1.0.0.0**
Description: The value attribute provides a single, allowed numerical or character string value.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Vector_ Component	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Value	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

value_begin_date in DD_Permissible_Value_Full

Name: **value_begin_date**			***Version Id:*** **1.0.0.0**
Description: The value_begin_date attribute provides the first date on which the permissible value is in effect.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Permissible_Value_ Full	*Type:* ASCII_Date_ Time_YMD
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Time	*Conceptual Domain:* Time
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

value_data_type in DD_Value_Domain

Name: **value_data_type**			***Version Id:*** **1.0.0.0**
Description: The value_data_type attribute is used in a data dictionary to specify the data type of an attribute's value.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Value_Domain	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	ASCII_AnyURI	The value is expressed using the data type ASCII_AnyURI	
	ASCII_Boolean	The value is expressed using the data type ASCII_Boolean	
	ASCII_DOI	The value is expressed using the data type ASCII_DOI	
	ASCII_Date_DOY	The value is expressed using the data type ASCII_Date_DOY	
	ASCII_Date_Time_ DOY	The value is expressed using the data type ASCII_Date_Time_DOY	
	ASCII_Date_Time_ DOY_UTC	The value is expressed using the data type ASCII_Date_Time_DOY_UTC	
	ASCII_Date_Time_ YMD	The value is expressed using the data type ASCII_Date_Time_YMD	
	ASCII_Date_Time_ YMD_UTC	The value is expressed using the data type ASCII_Date_Time_YMD_UTC	
	ASCII_Date_YMD	The value is expressed using the data type ASCII_Date_YMD	

Name: **value_data_type**		***Version Id:*** **1.0.0.0**
	ASCII_Directory_ Path_Name	The value is expressed using the data type ASCII_Directory_Path_Name
	ASCII_File_Name	The value is expressed using the data type ASCII_File_Name
	ASCII_File_ Specification_Name	The value is expressed using the data type ASCII_File_Specification_Name
	ASCII_Integer	The value is expressed using the data type ASCII_Integer
	ASCII_LID	The value is expressed using the data type ASCII_LID
	ASCII_LIDVID	The value is expressed using the data type ASCII_LIDVID
	ASCII_LIDVID_LID	The value is expressed using the data type ASCII_LIDVID_LID
	ASCII_MD5_ Checksum	The value is expressed using the data type ASCII_MD5_Checksum
	ASCII_NonNegative_ Integer	The value is expressed using the data type ASCII_NonNegative_Integer
	ASCII_Numeric_ Base16	The value is expressed using the data type ASCII_Numeric_Base16
	ASCII_Numeric_Base2	The value is expressed using the data type ASCII_Numeric_Base2
	ASCII_Numeric_Base8	The value is expressed using the data type ASCII_Numeric_Base8
	ASCII_Real	The value is expressed using the data type ASCII_Real
	ASCII_Short_String_ Collapsed	The value is expressed using the data type ASCII_Short_String_Collapsed
	ASCII_Short_String_ Preserved	The value is expressed using the data type ASCII_Short_String_Preserved
	ASCII_Text_Collapsed	The value is expressed using the data type ASCII_Text_Collapsed
	ASCII_Text_Preserved	The value is expressed using the data type ASCII_Text_Preserved
	ASCII_Time	The value is expressed using the data type ASCII_Time
	ASCII_VID	The value is expressed using the data type ASCII_VID
	UTF8_Short_String_ Collapsed	The value is expressed using the data type UTF8_Short_String_Collapsed
	UTF8_Short_String_ Preserved	The value is expressed using the data type UTF8_Short_String_Preserved
	UTF8_Text_Preserved	The value is expressed using the data type UTF8_Text_Preserved
	Vector_Cartesian_3	The value is expressed using the data type Vector_Cartesian_3

Name: **value_data_type**			***Version Id:*** **1.0.0.0**
	Vector_Cartesian_3_ Acceleration	The value is expressed using the data type Vector_Cartesian_3_Acceleration	
	Vector_Cartesian_3_ Pointing	The value is expressed using the data type Vector_Cartesian_3_Pointing	
	Vector_Cartesian_3_ Position	The value is expressed using the data type Vector_Cartesian_3_Position	
	Vector_Cartesian_3_ Velocity	The value is expressed using the data type Vector_Cartesian_3_Velocity	

value_data_type in DD_Value_Domain_Full

Name: **value_data_type**			***Version Id:*** **1.0.0.0**
Description: The value_data_type attribute is used in a data dictionary to specify the data type of an attribute's value.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Value_Domain_Full	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	ASCII_AnyURI	The value is expressed using the data type ASCII_AnyURI	
	ASCII_Boolean	The value is expressed using the data type ASCII_Boolean	
	ASCII_DOI	The value is expressed using the data type ASCII_DOI	
	ASCII_Date_DOY	The value is expressed using the data type ASCII_Date_DOY	
	ASCII_Date_Time_ DOY	The value is expressed using the data type ASCII_Date_Time_DOY	
	ASCII_Date_Time_ DOY_UTC	The value is expressed using the data type ASCII_Date_Time_DOY_UTC	
	ASCII_Date_Time_ YMD	The value is expressed using the data type ASCII_Date_Time_YMD	
	ASCII_Date_Time_ YMD_UTC	The value is expressed using the data type ASCII_Date_Time_YMD_UTC	
	ASCII_Date_YMD	The value is expressed using the data type ASCII_Date_YMD	
	ASCII_Directory_ Path_Name	The value is expressed using the data type ASCII_Directory_Path_Name	
	ASCII_File_Name	The value is expressed using the data type ASCII_File_Name	
	ASCII_File_ Specification_Name	The value is expressed using the data type ASCII_File_Specification_Name	

Name: **value_data_type**		*Version Id:* **1.0.0.0**
	ASCII_Integer	The value is expressed using the data type ASCII_Integer
	ASCII_LID	The value is expressed using the data type ASCII_LID
	ASCII_LIDVID	The value is expressed using the data type ASCII_LIDVID
	ASCII_LIDVID_LID	The value is expressed using the data type ASCII_LIDVID_LID
	ASCII_MD5_ Checksum	The value is expressed using the data type ASCII_MD5_Checksum
	ASCII_NonNegative_ Integer	The value is expressed using the data type ASCII_NonNegative_Integer
	ASCII_Numeric_ Base16	The value is expressed using the data type ASCII_Numeric_Base16
	ASCII_Numeric_Base2	The value is expressed using the data type ASCII_Numeric_Base2
	ASCII_Numeric_Base8	The value is expressed using the data type ASCII_Numeric_Base8
	ASCII_Real	The value is expressed using the data type ASCII_Real
	ASCII_Short_String_ Collapsed	The value is expressed using the data type ASCII_Short_String_Collapsed
	ASCII_Short_String_ Preserved	The value is expressed using the data type ASCII_Short_String_Preserved
	ASCII_Text_Collapsed	The value is expressed using the data type ASCII_Text_Collapsed
	ASCII_Text_Preserved	The value is expressed using the data type ASCII_Text_Preserved
	ASCII_Time	The value is expressed using the data type ASCII_Time
	ASCII_VID	The value is expressed using the data type ASCII_VID
	UTF8_Short_String_ Collapsed	The value is expressed using the data type UTF8_Short_String_Collapsed
	UTF8_Short_String_ Preserved	The value is expressed using the data type UTF8_Short_String_Preserved
	UTF8_Text_Preserved	The value is expressed using the data type UTF8_Text_Preserved

value_end_date in DD_Permissible_Value_ Full

Name: **value_end_date**	*Version Id:* **1.0.0.0**
Description: The value_end_date attribute provides the last date on which the permissible value is in effect.	

Name: **value_end_date**			***Version Id:*** **1.0.0.0**
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Permissible_Value_ Full	*Type:* ASCII_Date_ Time_YMD
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Time	*Conceptual Domain:* Time
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

value_meaning in DD_Permissible_Value

Name: **value_meaning**			***Version Id:*** **1.0.0.0**
Description: The value_meaning attribute provides the meaning, or semantic content, of the associated permissible value.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Permissible_Value	*Type:* ASCII_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Text	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

value_meaning in DD_Permissible_Value_ Full

Name: **value_meaning**			***Version Id:*** **1.0.0.0**
Description: The value_meaning attribute provides the meaning, or semantic content, of the associated permissible value.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Permissible_Value_ Full	*Type:* ASCII_Text_ Preserved
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Text	*Conceptual Domain:* Text
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

value_offset in Band_Bin *Deprecated*

Name: **value_offset**	***Version Id:*** **1.0.0.0**
Description: The value_offset attribute is the offset to be applied to each stored value in order to recover an original value. The observed value (Ov) is calculated from the stored value (Sv) thus: Ov = (Sv * scaling_factor) + value_offset. The default value is 0.	

Name: **value_offset**			***Version Id:*** **1.0.0.0**
Namespace Id: pds	*Steward:* img	*Class Name:* Band_Bin *Deprecated*	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Offset	*Conceptual Domain:* Real
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

value_offset in Element_Array

Name: **value_offset**			***Version Id:*** **1.0.0.0**
Description: The value_offset attribute is the offset to be applied to each stored value in order to recover an original value. The observed value (Ov) is calculated from the stored value (Sv) thus: Ov = (Sv * scaling_factor) + value_offset. The default value is 0.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Element_ Array	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Offset	*Conceptual Domain:* Real
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

value_offset in Field_Binary

Name: **value_offset**			***Version Id:*** **1.0.0.0**
Description: The value_offset attribute is the offset to be applied to each stored value in order to recover an original value. The observed value (Ov) is calculated from the stored value (Sv) thus: Ov = (Sv * scaling_factor) + value_offset. The default value is 0.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Field_ Binary	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Offset	*Conceptual Domain:* Real
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

value_offset in Field_Bit

Name: **value_offset**			***Version Id:*** **1.0.0.0**
Description: The value_offset attribute is the offset to be applied to each stored value in order to recover an original value. The observed value (Ov) is calculated from the stored value (Sv) thus: Ov = (Sv * scaling_factor) + value_offset. The default value is 0.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Field_Bit	*Type:* ASCII_Real

Name: **value_offset**			***Version Id:*** **1.0.0.0**
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Offset	*Conceptual Domain:* Real
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

value_offset in Field_Character

Name: **value_offset**			***Version Id:*** **1.0.0.0**
Description: The value_offset attribute is the offset to be applied to each stored value in order to recover an original value. The observed value (Ov) is calculated from the stored value (Sv) thus: Ov = (Sv * scaling_factor) + value_offset. The default value is 0.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Field_ Character	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Offset	*Conceptual Domain:* Real
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

value_offset in Field_Delimited

Name: **value_offset**			***Version Id:*** **1.0.0.0**
Description: The value_offset attribute is the offset to be applied to each stored value in order to recover an original value. The observed value (Ov) is calculated from the stored value (Sv) thus: Ov = (Sv * scaling_factor) + value_offset. The default value is 0.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Field_ Delimited	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Offset	*Conceptual Domain:* Real
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

vector_components in Vector

Name: **vector_components**			***Version Id:*** **1.0.0.0**
Description: The vector_components attribute provides a count of vector components.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Vector	*Type:* ASCII_Integer
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Integer

Name: **vector_components**			***Version Id:*** **1.0.0.0**
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

version_id in DD_Attribute

Name: **version_id**			***Version Id:*** **1.0.0.0**
Description: The version_id attribute provides the version of the product, expressed in the PDS [m.n] notation.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Attribute	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* ([0-9]+)(\.){1}([0-9]+)	
Permissible Value(s)	*No Values*		

version_id in DD_Attribute_Full

Name: **version_id**			***Version Id:*** **1.0.0.0**
Description: The version_id attribute provides the version of the product, expressed in the PDS [m.n] notation.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Attribute_Full	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* ([0-9]+)(\.){1}([0-9]+)	
Permissible Value(s)	*No Values*		

version_id in DD_Class

Name: **version_id**			***Version Id:*** **1.0.0.0**
Description: The version_id attribute provides the version of the product, expressed in the PDS [m.n] notation.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_Class	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* ([0-9]+)(\.){1}([0-9]+)	
Permissible Value(s)	*No Values*		

version_id in DD_Class_Full

Name: **version_id**			***Version Id:*** **1.0.0.0**
Description: The version_id attribute provides the version of the product, expressed in the PDS [m.n] notation.			
Namespace Id: pds	*Steward:* ops	*Class Name:* DD_ Class_Full	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* ([0-9]+)(\.){1}([0-9]+)	
Permissible Value(s)	*No Values*		

version_id in Identification_Area

Name: **version_id**			***Version Id:*** **1.0.0.0**
Description: The version_id attribute provides the version of the product, expressed in the PDS [m.n] notation.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Identification_Area	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* ([0-9]+)(\.){1}([0-9]+)	
Permissible Value(s)	*No Values*		

version_id in Instrument_Host *Deprecated*

Name: **version_id *Deprecated***			***Version Id:*** **1.0.0.0**
Description: The version_id attribute provides the version of the product, expressed in the PDS [m.n] notation.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Instrument_Host	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Deprecated	*Nillable:* false	*Pattern:* ([0-9]+)(\.){1}([0-9]+)	
Permissible Value(s)	*No Values*		

version_id in Modification_Detail

Name: **version_id**	***Version Id:*** **1.0.0.0**
Description: The version_id attribute provides the version of the product, expressed in the PDS [m.n] notation.	

Name: **version_id**			***Version Id:*** **1.0.0.0**
Namespace Id: pds	*Steward:* pds	*Class Name:* Modification_Detail	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* ([0-9]+)(\.){1}([0-9]+)	
Permissible Value(s)	*No Values*		

version_id in Software *Deprecated*

Name: **version_id *Deprecated***			***Version Id:*** **1.0.0.0**
Description: The version_id attribute provides the version of the product, expressed in the PDS [m.n] notation.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Software	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Deprecated	*Nillable:* false	*Pattern:* ([0-9]+)(\.){1}([0-9]+)	
Permissible Value(s)	*No Values*		

volume_de_fullname in Volume_PDS3

Name: **volume_de_fullname**			***Version Id:*** **1.0.0.0**
Description: The volume_de_fullname attribute provide the full name of the data engineer.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Volume_PDS3	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

volume_format in Volume_PDS3

Name: **volume_format**			***Version Id:*** **1.0.0.0**
Description: The volume_format attribute identifies the logical format used in writing a data volume.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Volume_PDS3	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255

Name: **volume_format**			***Version Id:*** **1.0.0.0**
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Format	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

volume_id in Volume_PDS3

Name: **volume_id**			***Version Id:*** **1.0.0.0**
Description: The volume_id attribute provides a unique identifier for a data volume. Example: MG_1001.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Volume_ PDS3	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

volume_name in Volume_PDS3

Name: **volume_name**			***Version Id:*** **1.0.0.0**
Description: The volume_name attribute contains the name of a data volume.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Volume_ PDS3	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

volume_series_name in Volume_Set_PDS3

Name: **volume_series_name**			***Version Id:*** **1.0.0.0**
Description: The volume_series_name element provides a full, formal name that describes a broad categorization of data products or data sets related to a planetary body or a research campaign (e.g. International Halley Watch). A volume series consists of one or more volume sets that represent data from one or more missions or campaigns.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Volume_ Set_PDS3	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	

Name: **volume_series_name**			***Version Id:*** **1.0.0.0**
Permissible Value(s)	*No Values*		

volume_set_id in Volume_PDS3

Name: **volume_set_id**			***Version Id:*** **1.0.0.0**
Description: The volume_set_id attribute identifies a data volume or a set of volumes. Volume sets are normally considered as a single orderable entity. Examples: USA_NASA_PDS_MG_1001, USA_NASA_PDS_GR_0001_TO_GR_0009			
Namespace Id: pds	*Steward:* ops	*Class Name:* Volume_ PDS3	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

volume_set_id in Volume_Set_PDS3

Name: **volume_set_id**			***Version Id:*** **1.0.0.0**
Description: The volume_set_id attribute identifies a data volume or a set of volumes. Volume sets are normally considered as a single orderable entity. Examples: USA_NASA_PDS_MG_1001, USA_NASA_PDS_GR_0001_TO_GR_0009			
Namespace Id: pds	*Steward:* ops	*Class Name:* Volume_ Set_PDS3	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

volume_set_name in Volume_Set_PDS3

Name: **volume_set_name**			***Version Id:*** **1.0.0.0**
Description: The volume_set_name element provides the full, formal name of one or more data volumes containing a single data set or a collection of related data sets. Volume sets are normally considered as a single orderable entity.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Volume_ Set_PDS3	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

volume_size in Volume_PDS3

Name: **volume_size**			***Version Id:*** **1.0.0.0**
Description: The volume size attribute provide the number of bytes in the volume.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Volume_ PDS3	*Type:* ASCII_ NonNegative_Integer
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Size	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

volume_version_id in Volume_PDS3

Name: **volume_version_id**			***Version Id:*** **1.0.0.0**
Description: The volume_version_id attribute identifies the version of a data volume. All original volumes should use a volume_version_id of 'Version 1'.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Volume_ PDS3	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

volumes in Volume_Set_PDS3

Name: **volumes**			***Version Id:*** **1.0.0.0**
Description: The volumes element provides the number of physical data volumes contained in a volume set.			
Namespace Id: pds	*Steward:* ops	*Class Name:* Volume_ Set_PDS3	*Type:* ASCII_Integer
Minimum Value: 0	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

wavelength_range in Science_Facets

Name: **wavelength_range**	***Version Id:*** **1.0.0.0**
Description: The wavelength range attribute specifies the wavelength range over which the data were collected or which otherwise characterizes the observation(s). Boundaries are vague, and there is overlap.	

Name: **wavelength_range**			***Version Id:*** **1.0.0.0**
Namespace Id: pds	*Steward:* pds	*Class Name:* Science_ Facets	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Far Infrared	The wavelength is between approximately 30 and 300 micrometers	
	Gamma Ray	The wavelength is less than approximately 0.01 nm	
	Infrared	The wavelength is between approximately 0.75 and 300 micrometers	
	Microwave	The wavelength is between millimeters and approximately one meter	
	Millimeter	The wavelength is between approximately one and a few millimeters	
	Near Infrared	The wavelength is between approximately 0.65 and 5.0 micrometers	
	Radio	The wavelength is between millimeters and hundreds of thousands of meters	
	Submillimeter	The wavelength is between approximately 0.3 and 1.0 millimeters	
	Ultraviolet	The wavelength is between approximately 10 and 400 nm	
	Visible	The wavelength is between approximately 390 and 700 nm	
	X-ray	The wavelength is between approximately 0.01 and 10 nm	

x in Vector_Cartesian_3

Name: **x**			***Version Id:*** **1.0.0.0**
Description: The x attribute provides the value of the x coordinate in a position vector.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Vector_ Cartesian_3	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Number	*Conceptual Domain:* Real
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

xml_schema_base_type in ASCII_AnyURI

Name: **xml_schema_base_type**			***Version Id:*** **1.0.0.0**
Description: The xml schema base type attribute provides the data type needed for the XML schema implementation.			
Namespace Id: pds	*Steward:* ops	*Class Name:* ASCII_ AnyURI	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	xsd:anyURI	ASCII_AnyURI has an XML schema base type of xsd:anyURI	

xml_schema_base_type in ASCII_Boolean

Name: **xml_schema_base_type**			***Version Id:*** **1.0.0.0**
Description: The xml schema base type attribute provides the data type needed for the XML schema implementation.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ Boolean	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	xsd:boolean	ASCII_Boolean has an XML schema base type of xsd:boolean	

xml_schema_base_type in ASCII_DOI

Name: **xml_schema_base_type**			***Version Id:*** **1.0.0.0**
Description: The xml schema base type attribute provides the data type needed for the XML schema implementation.			
Namespace Id: pds	*Steward:* ops	*Class Name:* ASCII_ DOI	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	xsd:string	ASCII_DOI has an XML schema base type of xsd:string	

xml_schema_base_type in ASCII_Date *Deprecated*

Name: **xml_schema_base_type**			***Version Id:*** **1.0.0.0**
Description: The xml schema base type attribute provides the data type needed for the XML schema implementation.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_ Date *Deprecated*	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	xsd:string	ASCII_Date has an XML schema base type of xsd:string	

xml_schema_base_type in ASCII_Date_DOY

Name: **xml_schema_base_type**			***Version Id:*** **1.0.0.0**
Description: The xml schema base type attribute provides the data type needed for the XML schema implementation.			
Namespace Id: pds	*Steward:* ops	*Class Name:* ASCII_ Date_DOY	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	xsd:string	ASCII_Date_DOY has an XML schema base type of xsd:string	

xml_schema_base_type in ASCII_Date_Time *Deprecated*

Name: **xml_schema_base_type**			***Version Id:*** **1.0.0.0**
Description: The xml schema base type attribute provides the data type needed for the XML schema implementation.			
Namespace Id: pds	*Steward:* ops	*Class Name:* ASCII_Date_Time *Deprecated*	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String

Name: **xml_schema_base_type**			***Version Id:*** **1.0.0.0**
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	xsd:string	ASCII_Date_Time has an XML schema base type of xsd:string	

xml_schema_base_type in ASCII_Date_Time_DOY

Name: **xml_schema_base_type**			***Version Id:*** **1.0.0.0**
Description: The xml schema base type attribute provides the data type needed for the XML schema implementation.			
Namespace Id: pds	*Steward:* ops	*Class Name:* ASCII_Date_Time_DOY	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	xsd:string	ASCII_Date_Time_DOY has an XML schema base type of xsd:string	

xml_schema_base_type in ASCII_Date_Time_DOY_UTC

Name: **xml_schema_base_type**			***Version Id:*** **1.0.0.0**
Description: The xml schema base type attribute provides the data type needed for the XML schema implementation.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Date_Time_DOY_UTC	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	xsd:string	ASCII_Date_Time_DOY_UTC has an XML schema base type of xsd:string	

xml_schema_base_type in ASCII_Date_Time_UTC *Deprecated*

Name: **xml_schema_base_type**			***Version Id:*** **1.0.0.0**
Description: The xml schema base type attribute provides the data type needed for the XML schema implementation.			
Namespace Id: pds	*Steward:* ops	*Class Name:* ASCII_Date_Time_UTC *Deprecated*	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	xsd:string	ASCII_Date_Time_UTC has an XML schema base type of xsd:string	

xml_schema_base_type in ASCII_Date_Time_YMD

Name: **xml_schema_base_type**			***Version Id:*** **1.0.0.0**
Description: The xml schema base type attribute provides the data type needed for the XML schema implementation.			
Namespace Id: pds	*Steward:* ops	*Class Name:* ASCII_Date_Time_YMD	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	xsd:string	ASCII_Date_Time_YMD has an XML schema base type of xsd:string	

xml_schema_base_type in ASCII_Date_Time_YMD_UTC

Name: **xml_schema_base_type**			***Version Id:*** **1.0.0.0**
Description: The xml schema base type attribute provides the data type needed for the XML schema implementation.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Date_Time_YMD_UTC	*Type:* ASCII_Short_String_Collapsed

Name: **xml_schema_base_type**			***Version Id:*** **1.0.0.0**
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	xsd:string	ASCII_Date_Time_YMD_UTC has an XML schema base type of xsd:string	

xml_schema_base_type in ASCII_Date_YMD

Name: **xml_schema_base_type**			***Version Id:*** **1.0.0.0**
Description: The xml schema base type attribute provides the data type needed for the XML schema implementation.			
Namespace Id: pds	*Steward:* ops	*Class Name:* ASCII_ Date_YMD	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	xsd:string	ASCII_Date_YMD has an XML schema base type of xsd:string	

xml_schema_base_type in ASCII_Directory_ Path_Name

Name: **xml_schema_base_type**			***Version Id:*** **1.0.0.0**
Description: The xml schema base type attribute provides the data type needed for the XML schema implementation.			
Namespace Id: pds	*Steward:* ops	*Class Name:* ASCII_ Directory_Path_Name	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	xsd:token	ASCII_Directory_Path_Name has an XML schema base type of xsd:token	

xml_schema_base_type in ASCII_File_Name

Name: **xml_schema_base_type**			***Version Id:*** **1.0.0.0**
Description: The xml schema base type attribute provides the data type needed for the XML schema implementation.			
Namespace Id: pds	*Steward:* ops	*Class Name:* ASCII_ File_Name	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	xsd:token	ASCII_File_Name has an XML schema base type of xsd:token	

xml_schema_base_type in ASCII_File_ Specification_Name

Name: **xml_schema_base_type**			***Version Id:*** **1.0.0.0**
Description: The xml schema base type attribute provides the data type needed for the XML schema implementation.			
Namespace Id: pds	*Steward:* ops	*Class Name:* ASCII_ File_Specification_ Name	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	xsd:token	ASCII_File_Specification_Name has an XML schema base type of xsd:token	

xml_schema_base_type in ASCII_Integer

Name: **xml_schema_base_type**			***Version Id:*** **1.0.0.0**
Description: The xml schema base type attribute provides the data type needed for the XML schema implementation.			
Namespace Id: pds	*Steward:* ops	*Class Name:* ASCII_ Integer	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	

Name: **xml_schema_base_type**			***Version Id:*** **1.0.0.0**
Permissible Value(s)	*Value*	*Value Meaning*	
	xsd:integer	ASCII_Integer has an XML schema base type of xsd:integer	

xml_schema_base_type in ASCII_LID

Name: **xml_schema_base_type**			***Version Id:*** **1.0.0.0**
Description: The xml schema base type attribute provides the data type needed for the XML schema implementation.			
Namespace Id: pds	*Steward:* ops	*Class Name:* ASCII_LID	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	xsd:string	ASCII_LID has an XML schema base type of xsd:string	

xml_schema_base_type in ASCII_LIDVID

Name: **xml_schema_base_type**			***Version Id:*** **1.0.0.0**
Description: The xml schema base type attribute provides the data type needed for the XML schema implementation.			
Namespace Id: pds	*Steward:* ops	*Class Name:* ASCII_LIDVID	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	xsd:string	ASCII_LIDVID has an XML schema base type of xsd:string	

xml_schema_base_type in ASCII_LIDVID_LID

Name: **xml_schema_base_type**			***Version Id:*** **1.0.0.0**
Description: The xml schema base type attribute provides the data type needed for the XML schema implementation.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_LIDVID_LID	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None

Name: **xml_schema_base_type**			***Version Id:*** **1.0.0.0**
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	xsd:string	ASCII_LIDVID_LID has an XML schema base type of xsd:string	

xml_schema_base_type in ASCII_MD5_Checksum

Name: **xml_schema_base_type**			***Version Id:*** **1.0.0.0**
Description: The xml schema base type attribute provides the data type needed for the XML schema implementation.			
Namespace Id: pds	*Steward:* ops	*Class Name:* ASCII_MD5_Checksum	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	xsd:string	ASCII_MD5_Checksum has an XML schema base type xsd:string	

xml_schema_base_type in ASCII_NonNegative_Integer

Name: **xml_schema_base_type**			***Version Id:*** **1.0.0.0**
Description: The xml schema base type attribute provides the data type needed for the XML schema implementation.			
Namespace Id: pds	*Steward:* ops	*Class Name:* ASCII_NonNegative_Integer	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	xsd:nonNegativeInteger	ASCII_NonNegative_Integer has an XML schema base type xsd:nonNegativeInteger	

xml_schema_base_type in ASCII_Numeric_Base16

Name: **xml_schema_base_type**			***Version Id:*** **1.0.0.0**
Description: The xml schema base type attribute provides the data type needed for the XML schema implementation.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Numeric_Base16	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	xsd:hexBinary	ASCII_Numeric_Base16 has an XML schema base type of xsd:hexBinary	

xml_schema_base_type in ASCII_Numeric_Base2

Name: **xml_schema_base_type**			***Version Id:*** **1.0.0.0**
Description: The xml schema base type attribute provides the data type needed for the XML schema implementation.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Numeric_Base2	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	xsd:string	ASCII_Numeric_Base2 has an XML schema base type of xsd:string	

xml_schema_base_type in ASCII_Numeric_Base8

Name: **xml_schema_base_type**			***Version Id:*** **1.0.0.0**
Description: The xml schema base type attribute provides the data type needed for the XML schema implementation.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Numeric_Base8	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255

Name: **xml_schema_base_type**			***Version Id:*** **1.0.0.0**
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	xsd:string	ASCII_Numeric_Base8 has an XML schema base type of xsd:string	

xml_schema_base_type in ASCII_Real

Name: **xml_schema_base_type**			***Version Id:*** **1.0.0.0**
Description: The xml schema base type attribute provides the data type needed for the XML schema implementation.			
Namespace Id: pds	*Steward:* ops	*Class Name:* ASCII_ Real	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	xsd:double	ASCII_Real has an XML schema base type of xsd:double	

xml_schema_base_type in ASCII_Short_ String_Collapsed

Name: **xml_schema_base_type**			***Version Id:*** **1.0.0.0**
Description: The xml schema base type attribute provides the data type needed for the XML schema implementation.			
Namespace Id: pds	*Steward:* ops	*Class Name:* ASCII_ Short_String_Collapsed	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	xsd:token	ASCII_Short_String_Collapsed has an XML schema base type of xsd:token	

xml_schema_base_type in ASCII_Short_String_Preserved

Name: **xml_schema_base_type**			***Version Id:*** **1.0.0.0**
Description: The xml schema base type attribute provides the data type needed for the XML schema implementation.			
Namespace Id: pds	*Steward:* ops	*Class Name:* ASCII_Short_String_Preserved	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	xsd:string	ASCII_Short_String_Preserved has an XML schema base type of xsd:string	

xml_schema_base_type in ASCII_String

Name: **xml_schema_base_type**			***Version Id:*** **1.0.0.0**
Description: The xml schema base type attribute provides the data type needed for the XML schema implementation.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_String	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	xsd:token	ASCII_String has an XML schema base type of xsd:token	

xml_schema_base_type in ASCII_Text_Collapsed

Name: **xml_schema_base_type**			***Version Id:*** **1.0.0.0**
Description: The xml schema base type attribute provides the data type needed for the XML schema implementation.			
Namespace Id: pds	*Steward:* pds	*Class Name:* ASCII_Text_Collapsed	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String

Name: **xml_schema_base_type**			***Version Id:*** **1.0.0.0**
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	xsd:token	ASCII_Text_Collapsed has an XML schema base type of xsd:token	

xml_schema_base_type in ASCII_Text_Preserved

Name: **xml_schema_base_type**			***Version Id:*** **1.0.0.0**
Description: The xml schema base type attribute provides the data type needed for the XML schema implementation.			
Namespace Id: pds	*Steward:* ops	*Class Name:* ASCII_Text_Preserved	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	xsd:string	ASCII_Text_Preserved has an XML schema base type of xsd:token	

xml_schema_base_type in ASCII_Time

Name: **xml_schema_base_type**			***Version Id:*** **1.0.0.0**
Description: The xml schema base type attribute provides the data type needed for the XML schema implementation.			
Namespace Id: pds	*Steward:* ops	*Class Name:* ASCII_Time	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	xsd:string	ASCII_Time has an XML schema base type of xsd:string	

xml_schema_base_type in ASCII_VID

Name: **xml_schema_base_type**			***Version Id:*** **1.0.0.0**
Description: The xml schema base type attribute provides the data type needed for the XML schema implementation.			
Namespace Id: pds	*Steward:* ops	*Class Name:* ASCII_VID	*Type:* ASCII_Short_String_Collapsed

Name: **xml_schema_base_type**			***Version Id:*** **1.0.0.0**
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	xsd:string	ASCII_VID has an XML schema base type of xsd:string	

xml_schema_base_type in Character_Data_Type

Name: **xml_schema_base_type**			***Version Id:*** **1.0.0.0**
Description: The xml schema base type attribute provides the data type needed for the XML schema implementation.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Character_Data_Type	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

xml_schema_base_type in UTF8_Short_String_Collapsed

Name: **xml_schema_base_type**			***Version Id:*** **1.0.0.0**
Description: The xml schema base type attribute provides the data type needed for the XML schema implementation.			
Namespace Id: pds	*Steward:* ops	*Class Name:* UTF8_Short_String_Collapsed	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	xsd:token	UTF8_Short_String_Collapsed has an XML schema base type of xsd:token	

xml_schema_base_type in UTF8_Short_String_Preserved

Name: **xml_schema_base_type**			***Version Id:*** **1.0.0.0**
Description: The xml schema base type attribute provides the data type needed for the XML schema implementation.			
Namespace Id: pds	*Steward:* ops	*Class Name:* UTF8_Short_String_Preserved	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	xsd:string	UTF8_Short_String_Preserved has an XML schema base type of xsd:string	

xml_schema_base_type in UTF8_String

Name: **xml_schema_base_type**			***Version Id:*** **1.0.0.0**
Description: The xml schema base type attribute provides the data type needed for the XML schema implementation.			
Namespace Id: pds	*Steward:* pds	*Class Name:* UTF8_String	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	xsd:token	UTF8_String must be normalized.	

xml_schema_base_type in UTF8_Text_Preserved

Name: **xml_schema_base_type**			***Version Id:*** **1.0.0.0**
Description: The xml schema base type attribute provides the data type needed for the XML schema implementation.			
Namespace Id: pds	*Steward:* ops	*Class Name:* UTF8_Text_Preserved	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	

Name: **xml_schema_base_type**			***Version Id:*** **1.0.0.0**
Permissible Value(s)	*Value*	*Value Meaning*	
	xsd:string	UTF8_Text_Preserved has an XML schema base type of xsd:string	

y in Vector_Cartesian_3

Name: **y**			***Version Id:*** **1.0.0.0**
Description: The y attribute provides the value of the y coordinate in a position vector.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Vector_ Cartesian_3	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Number	*Conceptual Domain:* Real
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

z in Vector_Cartesian_3

Name: **z**			***Version Id:*** **1.0.0.0**
Description: The z attribute provides the value of the z coordinate in a position vector.			
Namespace Id: pds	*Steward:* pds	*Class Name:* Vector_ Cartesian_3	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Number	*Conceptual Domain:* Real
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

Chapter 9. Attributes in the Rings discipline namespace.

These attributes are used by the classes defined for the Rings namespace.

SCLK_start_time in Radio_Occultation

Name: **SCLK_start_time**			***Version Id:*** **1.0.0.0**
Description: SCLK_start_time is the value of the spacecraft clock corresponding to the start_date_time given in the label.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_ Occultation	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

SCLK_start_time in Stellar_Occultation

Name: **SCLK_start_time**			***Version Id:*** **1.0.0.0**
Description: SCLK_start_time is the value of the spacecraft clock corresponding to the start_date_time given in the label.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Stellar_ Occultation	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

SCLK_stop_time in Radio_Occultation

Name: **SCLK_stop_time**			***Version Id:*** **1.0.0.0**
Description: SCLK_stop_time is the value of the spacecraft clock corresponding to the stop_date_time given in the label.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_ Occultation	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	

Name: **SCLK_stop_time**			***Version Id:*** **1.0.0.0**
Permissible Value(s)	*No Values*		

SCLK_stop_time in Stellar_Occultation

Name: **SCLK_stop_time**			***Version Id:*** **1.0.0.0**
Description: SCLK_stop_time is the value of the spacecraft clock corresponding to the stop_date_time given in the label.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Stellar_ Occultation	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

along_track_timing_offset in Radio_ Occultation

Name: **along_track_timing_offset**			***Version Id:*** **1.0.0.0**
Description: along_track_timing_offset is a timing offset to the along track spacecraft position. It is the value that minimizes differences in radii of matching circular ring features observed on the ingress and egress sides of the occultation track. Optional in labels for radio occultation. Nillable in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_ Occultation	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Time	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

dsn_station_number in Radio_Occultation

Name: **dsn_station_number**			***Version Id:*** **1.0.0.0**
Description: dsn_station_number identifies the receiving DSN station. Required in labels for radio occultations; not used for stellar occultations. Nillable in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_ Occultation	*Type:* ASCII_Integer
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None

Name: **dsn_station_number**			***Version Id:*** **1.0.0.0**
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

dsn_station_number in Radio_Occultation_Support

Name: **dsn_station_number**			***Version Id:*** **1.0.0.0**
Description: dsn_station_number identifies the receiving DSN station. Required in labels for radio occultations; not used for stellar occultations. Nillable in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_Occultation_Support	*Type:* ASCII_Integer
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

earth_received_start_time_utc in Radio_Occultation

Name: **earth_received_start_time_utc**			***Version Id:*** **1.0.0.0**
Description: earth_received_start_time_utc gives the UTC time corresponding to the earliest time for the data product at which telemetry or other photons were received on Earth. Optional for occultation data. Nillable if the observation is not an occultation in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_Occultation	*Type:* ASCII_Date_Time_YMD_UTC
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Time	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

earth_received_stop_time_utc in Radio_Occultation

Name: **earth_received_stop_time_utc**	***Version Id:*** **1.0.0.0**
Description: earth_received_stop_time_utc gives the UTC time corresponding to the latest time for the data product at which telemetry or other photons were received on Earth. Optional for occultation data. Nillable if the observation is not an occultation in which case the nil_reason should be 'inapplicable'.	

Name: **earth_received_stop_time_utc**			***Version Id:*** **1.0.0.0**
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_ Occultation	*Type:* ASCII_Date_ Time_YMD_UTC
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Time	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

frequency_band in Radio_Occultation

Name: **frequency_band**			***Version Id:*** **1.0.0.0**
Description: frequency_band is the one or two letter identifier of the frequency band. Required in labels for radio occultations; not used for stellar occultations. Nillable in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_ Occultation	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	C	Frequency range: 5.85 to 8.20 GHz	
	D	Frequency range: 2.20 to 3.30 GHz	
	E	Frequency range: 3.30 to 4.90 GHz	
	F	Frequency range: 4.90 to 7.05 GHz	
	G	Frequency range: 3.95 to 5.85 GHz	
	H	Frequency range: 7.05 to 10.10 GHz	
	K	Frequency range: 5.0 to 26.5 GHz	
	Ka	Frequency range: 26.5 to 40.0 GHz	
	Ku	Frequency range: 12.4 to 18.0 GHz	
	Q	Frequency range: 33 to 50 GHz	
	R	Frequency range: 1.70 to 2.60 GHz	
	S	Frequency range: 2.60 to 3.95 GHz	
	U	Frequency range: 40 to 60 GHz	
	V	Frequency range: 50 to 75 GHz	
	W	Frequency range: 75 to 110 GHz	
	X	Frequency range: 8.2 to 12.4 GHz	
	Y	Frequency range: 325 to 500 GHz	

frequency_band in Radio_Occultation_Support

Name: **frequency_band**			***Version Id:*** **1.0.0.0**
Description: frequency_band is the one or two letter identifier of the frequency band. Required in labels for radio occultations; not used for stellar occultations. Nillable in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_Occultation_Support	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	C	Frequency range: 5.85 to 8.20 GHz	
	D	Frequency range: 2.20 to 3.30 GHz	
	E	Frequency range: 3.30 to 4.90 GHz	
	F	Frequency range: 4.90 to 7.05 GHz	
	G	Frequency range: 3.95 to 5.85 GHz	
	H	Frequency range: 7.05 to 10.10 GHz	
	K	Frequency range: 5.0 to 26.5 GHz	
	Ka	Frequency range: 26.5 to 40.0 GHz	
	Ku	Frequency range: 12.4 to 18.0 GHz	
	Q	Frequency range: 33 to 50 GHz	
	R	Frequency range: 1.70 to 2.60 GHz	
	S	Frequency range: 2.60 to 3.95 GHz	
	U	Frequency range: 40 to 60 GHz	
	V	Frequency range: 50 to 75 GHz	
	W	Frequency range: 75 to 110 GHz	
	X	Frequency range: 8.2 to 12.4 GHz	
	Y	Frequency range: 325 to 500 GHz	

highest_detectable_opacity in Radio_Occultation

Name: **highest_detectable_opacity**	***Version Id:*** **1.0.0.0**
Description: highest_detectable_opacity indicates the sensitivity of a ring occultation data set to nearly opaque rings. It specifies the rough value for the largest normal ring opacity that can be detected in the data at the resolution provided, incorporating both statistical effects and calibration uncertainties. Strongly recommended in labels of ring occultation observations. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'. Not intended as a value for a table field.	

Name: **highest_detectable_opacity**			***Version Id:*** **1.0.0.0**
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_ Occultation	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

highest_detectable_opacity in Stellar_ Occultation

Name: **highest_detectable_opacity**			***Version Id:*** **1.0.0.0**
Description: highest_detectable_opacity indicates the sensitivity of a ring occultation data set to nearly opaque rings. It specifies the rough value for the largest normal ring opacity that can be detected in the data at the resolution provided, incorporating both statistical effects and calibration uncertainties. Strongly recommended in labels of ring occultation observations. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'. Not intended as a value for a table field.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Stellar_ Occultation	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

light_source_incidence_angle in Radio_ Occultation

Name: **light_source_incidence_angle**			***Version Id:*** **1.0.0.0**
Description: light_source_incidence_angle is an angle measured from the local surface normal vector to the direction of a photon arriving from the light source. For rings, the normal vector is that on the same side of the rings as the light source, so values always range between 0 and 90 in units of degrees. The value is always equal to 90 - | observed_ring_elevation | This will enable users to perform database searches based on the effective ring opening angle when they are not concerned about the the distinction between north-side and southside viewpoints. We have included the 'light source' prefix to the term so that this quantity is not confused with 'incidence angle', a term that is generally associated with sunlight rather than stars or radio transmitters. Required in the label if the value is constant for the observation. If the angle varies for the observation, the min and max attributes are required in the label. Optional as a field in the data table. Nillable, in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_ Occultation	*Type:* ASCII_Real
Minimum Value: -90	*Maximum Value:* 90	*Minimum Characters:* None	*Maximum Characters:* None

Name: **light_source_incidence_angle**			***Version Id:*** **1.0.0.0**
Unit of Measure Type: Units_of_Angle	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

light_source_incidence_angle in Stellar_ Occultation

Name: **light_source_incidence_angle**			***Version Id:*** **1.0.0.0**
Description: light_source_incidence_angle is an angle measured from the local surface normal vector to the direction of a photon arriving from the light source. For rings, the normal vector is that on the same side of the rings as the light source, so values always range between 0 and 90 in units of degrees. The value is always equal to 90 - | observed_ring_elevation | This will enable users to perform database searches based on the effective ring opening angle when they are not concerned about the the distinction between north-side and southside viewpoints. We have included the 'light source' prefix to the term so that this quantity is not confused with 'incidence angle', a term that is generally associated with sunlight rather than stars or radio transmitters. Required in the label if the value is constant for the observation. If the angle varies for the observation, the min and max attributes are required in the label. Optional as a field in the data table. Nillable, in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Stellar_ Occultation	*Type:* ASCII_Real
Minimum Value: -90	*Maximum Value:* 90	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Angle	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

lowest_detectable_opacity in Radio_ Occultation

Name: **lowest_detectable_opacity**			***Version Id:*** **1.0.0.0**
Description: lowest_detectable_opacity indicates the sensitivity of a ring occultation data set to nearly opaque rings. It specifies the rough value for the smallest normal ring opacity that can be detected in the data at the resolution provided, incorporating both statistical effects and calibration uncertainties. Strongly recommended in labels of ring occultation observations. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'. Not intended as a value for a table field.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_ Occultation	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

lowest_detectable_opacity in Stellar_ Occultation

Name: **lowest_detectable_opacity**			***Version Id:*** **1.0.0.0**
Description: lowest_detectable_opacity indicates the sensitivity of a ring occultation data set to nearly opaque rings. It specifies the rough value for the smallest normal ring opacity that can be detected in the data at the resolution provided, incorporating both statistical effects and calibration uncertainties. Strongly recommended in labels of ring occultation observations. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'. Not intended as a value for a table field.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Stellar_ Occultation	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_light_source_incidence_angle in Radio_Occultation

Name: **maximum_light_source_incidence_angle**			***Version Id:*** **1.0.0.0**
Description: maximum_light_source_incidence_angle specifes the largest value for observed_ring_elevation in the observation. Only used if the value is not constant over the observation. Values range from 0 to +90 in units of degrees. Not intended for use in the data file. Nillable, in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_ Occultation	*Type:* ASCII_Real
Minimum Value: 0	*Maximum Value:* 90	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Angle	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_observed_event_time in Radio_ Occultation_Support

Name: **maximum_observed_event_time**			***Version Id:*** **1.0.0.0**
Description: maximum_observed_event_time indicates the value for latest time in the described data, and is given in observed_event_tdb format.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_ Occultation_Support	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None

Name: **maximum_observed_event_time**			***Version Id:*** **1.0.0.0**
Unit of Measure Type: Units_of_Time	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_observed_ring_azimuth in Radio_Occultation

Name: **maximum_observed_ring_azimuth**			***Version Id:*** **1.0.0.0**
Description: maximum_observed_ring_azimuth specifes the largest value for observed_ring_azimuth in the data file. Values range from 0 to 360 in units of degrees. Required in label files for ring occultation data. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_Occultation	*Type:* ASCII_Real
Minimum Value: 0	*Maximum Value:* 360	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Angle	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_observed_ring_azimuth in Stellar_Occultation

Name: **maximum_observed_ring_azimuth**			***Version Id:*** **1.0.0.0**
Description: maximum_observed_ring_azimuth specifes the largest value for observed_ring_azimuth in the data file. Values range from 0 to 360 in units of degrees. Required in label files for ring occultation data. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Stellar_Occultation	*Type:* ASCII_Real
Minimum Value: 0	*Maximum Value:* 360	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Angle	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_observed_ring_elevation in Radio_Occultation

Name: **maximum_observed_ring_elevation**	***Version Id:*** **1.0.0.0**
Description: maximum_observed_ring_elevation specifes the largest value for observed_ring_elevation in the data file. Only used if the value is not constant over the observation.	

Name: **maximum_observed_ring_elevation**			***Version Id:*** **1.0.0.0**
Values range from -90 to +90 in units of degrees. Not intended for use in the data file. Nillable, in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_ Occultation	*Type:* ASCII_Real
Minimum Value: -90	*Maximum Value:* 90	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Angle	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_observed_ring_elevation in Stellar_Occultation

Name: **maximum_observed_ring_elevation**			***Version Id:*** **1.0.0.0**
Description: maximum_observed_ring_elevation specifes the largest value for observed_ring_elevation in the data file. Only used if the value is not constant over the observation. Values range from -90 to +90 in units of degrees. Not intended for use in the data file. Nillable, in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Stellar_ Occultation	*Type:* ASCII_Real
Minimum Value: -90	*Maximum Value:* 90	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Angle	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_radial_sampling_interval in Radio_ Occultation

Name: **maximum_radial_sampling_interval**			***Version Id:*** **1.0.0.0**
Description: maximum_radial_sampling_interval indicates the smallest radial spacing between consecutive points in a ring profile. In practice, this may be somewhat smaller than the radial_resolution because a profile may be over-sampled. If the value of radial_sampling_interval varies, the minimum and maximum attributes are required in labels. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'. Not intended to be used as a table field.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_ Occultation	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Length	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_radial_sampling_interval in Stellar_Occultation

Name: **maximum_radial_sampling_interval**			***Version Id:*** **1.0.0.0**
Description: maximum_radial_sampling_interval indicates the smallest radial spacing between consecutive points in a ring profile. In practice, this may be somewhat smaller than the radial_resolution because a profile may be over-sampled. If the value of radial_sampling_interval varies, the minimum and maximum attributes are required in labels. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'. Not intended to be used as a table field.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Stellar_ Occultation	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Length	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_ring_longitude in Radio_ Occultation

Name: **maximum_ring_longitude**			***Version Id:*** **1.0.0.0**
Description: maximum_ring_longitude specifies one boundary for the ring longitude range in the data; normally the largest value. However, for ranges that cross the prime meridian, the maximum ring longitude will have a value less than the minimum ring longitude. Values range from 0 to 360 in units of degrees. Required in label files for ring occultation data. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_ Occultation	*Type:* ASCII_Real
Minimum Value: 0	*Maximum Value:* 360	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Angle	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_ring_longitude in Stellar_ Occultation

Name: **maximum_ring_longitude**	***Version Id:*** **1.0.0.0**
Description: maximum_ring_longitude specifies one boundary for the ring longitude range in the data; normally the largest value. However, for ranges that cross the prime meridian, the maximum ring longitude will have a value less than the minimum ring longitude. Values range from 0 to 360 in units of degrees. Required in label files for ring occultation data. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'.	

Name: **maximum_ring_longitude**			***Version Id:*** **1.0.0.0**
Namespace Id: rings	*Steward:* rings	*Class Name:* Stellar_ Occultation	*Type:* ASCII_Real
Minimum Value: 0	*Maximum Value:* 360	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Angle	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_ring_radius in Radio_Occultation

Name: **maximum_ring_radius**			***Version Id:*** **1.0.0.0**
Description: maximum_ring_radius indicates the largest ring radius value in the data table. Units are km and are always positive. Required in label files for ring occultation data. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_ Occultation	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Length	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_ring_radius in Stellar_Occultation

Name: **maximum_ring_radius**			***Version Id:*** **1.0.0.0**
Description: maximum_ring_radius indicates the largest ring radius value in the data table. Units are km and are always positive. Required in label files for ring occultation data. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Stellar_ Occultation	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Length	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_wavelength in Radio_Occultation

Name: **maximum_wavelength**			***Version Id:*** **1.0.0.0**
Description: maximum_wavelength is the largest wavelength used in the observation. Optional in labels. Used with minimum_wavelength when the observation is over a wavelength range. Nillable in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_ Occultation	*Type:* ASCII_Real

Name: **maximum_wavelength**			***Version Id:*** **1.0.0.0**
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Length	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

maximum_wavelength in Stellar_Occultation

Name: **maximum_wavelength**			***Version Id:*** **1.0.0.0**
Description: maximum_wavelength is the largest wavelength used in the observation. Optional in labels. Used with minimum_wavelength when the observation is over a wavelength range. Nillable in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Stellar_ Occultation	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Length	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_light_source_incidence_angle in Radio_Occultation

Name: **minimum_light_source_incidence_angle**			***Version Id:*** **1.0.0.0**
Description: minimum_light_source_incidence_angle specifes the smallest value for observed_ring_elevation in the observation. Only used if the value is not constant over the observation. Values range from 0 to +90 in units of degrees. Not intended for use in the data file. Nillable, in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_ Occultation	*Type:* ASCII_Real
Minimum Value: 0	*Maximum Value:* 90	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Angle	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_observed_event_time in Radio_ Occultation_Support

Name: **minimum_observed_event_time**	***Version Id:*** **1.0.0.0**
Description: minimum_observed_event_time indicates the value for earliest time in the described data, and is given in observed_event_tdb format.	

Name: **minimum_observed_event_time**			***Version Id:*** **1.0.0.0**
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_ Occultation_Support	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Time	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_observed_ring_azimuth in Radio_ Occultation

Name: **minimum_observed_ring_azimuth**			***Version Id:*** **1.0.0.0**
Description: minimum_observed_ring_azimuth specifes the smallest value for observed_ring_azimuth in the data file. Values range from 0 to 360 in units of degrees. Required in label files for ring occultation data. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_ Occultation	*Type:* ASCII_Real
Minimum Value: 0	*Maximum Value:* 360	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Angle	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_observed_ring_azimuth in Stellar_ Occultation

Name: **minimum_observed_ring_azimuth**			***Version Id:*** **1.0.0.0**
Description: minimum_observed_ring_azimuth specifes the smallest value for observed_ring_azimuth in the data file. Values range from 0 to 360 in units of degrees. Required in label files for ring occultation data. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Stellar_ Occultation	*Type:* ASCII_Real
Minimum Value: 0	*Maximum Value:* 360	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Angle	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_observed_ring_elevation in Radio_Occultation

Name: **minimum_observed_ring_elevation**			***Version Id:*** **1.0.0.0**
Description: minimum_observed_ring_elevation specifes the smallest value for observed_ring_elevation in the data file. Only used if the value is not constant over the observation. Values range from -90 to +90 in units of degrees. Not intended for use in the data file. Nillable, in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_Occultation	*Type:* ASCII_Real
Minimum Value: -90	*Maximum Value:* 90	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Angle	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_observed_ring_elevation in Stellar_Occultation

Name: **minimum_observed_ring_elevation**			***Version Id:*** **1.0.0.0**
Description: minimum_observed_ring_elevation specifes the smallest value for observed_ring_elevation in the data file. Only used if the value is not constant over the observation. Values range from -90 to +90 in units of degrees. Not intended for use in the data file. Nillable, in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Stellar_Occultation	*Type:* ASCII_Real
Minimum Value: -90	*Maximum Value:* 90	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Angle	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_radial_sampling_interval in Radio_Occultation

Name: **minimum_radial_sampling_interval**			***Version Id:*** **1.0.0.0**
Description: minimum_radial_sampling_interval indicates the smallest radial spacing between consecutive points in a ring profile. In practice, this may be somewhat smaller than the radial_resolution because a profile may be over-sampled. If the value of radial_sampling_interval varies, the minimum and maximum attributes are required in labels. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'. Not intended to be used as a table field.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_Occultation	*Type:* ASCII_Real

Name: **minimum_radial_sampling_interval**			***Version Id:*** **1.0.0.0**
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Length	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_radial_sampling_interval in Stellar_Occultation

Name: **minimum_radial_sampling_interval**			***Version Id:*** **1.0.0.0**
Description: minimum_radial_sampling_interval indicates the smallest radial spacing between consecutive points in a ring profile. In practice, this may be somewhat smaller than the radial_resolution because a profile may be over-sampled. If the value of radial_sampling_interval varies, the minimum and maximum attributes are required in labels. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'. Not intended to be used as a table field.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Stellar_Occultation	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Length	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_ring_longitude in Radio_Occultation

Name: **minimum_ring_longitude**			***Version Id:*** **1.0.0.0**
Description: minimum_ring_longitude specifes one boundary for the ring longitude range in the data; normally the smallest value. However, for ranges that cross the prime meridian, the minimum ring longitude will have a value greater than the maximum ring longitude. Values range from 0 to 360 in units of degrees. Required in label files for ring occultation data. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_Occultation	*Type:* ASCII_Real
Minimum Value: 0	*Maximum Value:* 360	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Angle	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_ring_longitude in Stellar_ Occultation

Name: **minimum_ring_longitude**			***Version Id:*** **1.0.0.0**
Description: minimum_ring_longitude specifes one boundary for the ring longitude range in the data; normally the smallest value. However, for ranges that cross the prime meridian, the minimum ring longitude will have a value greater than the maximum ring longitude. Values range from 0 to 360 in units of degrees. Required in label files for ring occultation data. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Stellar_ Occultation	*Type:* ASCII_Real
Minimum Value: 0	*Maximum Value:* 360	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Angle	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_ring_radius in Radio_Occultation

Name: **minimum_ring_radius**			***Version Id:*** **1.0.0.0**
Description: minimum_ring_radius indicates the smallest ring radius value in the data table. Units are km and are always positive. Required in label files for ring occultation data. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_ Occultation	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Length	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_ring_radius in Stellar_Occultation

Name: **minimum_ring_radius**			***Version Id:*** **1.0.0.0**
Description: minimum_ring_radius indicates the smallest ring radius value in the data table. Units are km and are always positive. Required in label files for ring occultation data. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Stellar_ Occultation	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Length	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_wavelength in Radio_Occultation

Name: **minimum_wavelength**			***Version Id:*** **1.0.0.0**
Description: minimum_wavelength is the smallest wavelength used in the observation. Optional in labels. Used with maximum_wavelength when the observation is over a wavelength range. Nillable in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_ Occultation	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Length	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

minimum_wavelength in Stellar_Occultation

Name: **minimum_wavelength**			***Version Id:*** **1.0.0.0**
Description: minimum_wavelength is the smallest wavelength used in the observation. Optional in labels. Used with maximum_wavelength when the observation is over a wavelength range. Nillable in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Stellar_ Occultation	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Length	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

observed_event_start_tdb in Radio_ Occultation

Name: **observed_event_start_tdb**			***Version Id:*** **1.0.0.0**
Description: observed_event_start_tdb indicates the value for earliest time in the described data, and is given in observed_event_tdb format. Optional in labels; not intended for use as a table field.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_ Occultation	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Time	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

observed_event_start_tdb in Stellar_ Occultation

Name: **observed_event_start_tdb**			***Version Id:*** **1.0.0.0**
Description: observed_event_start_tdb indicates the value for earliest time in the described data, and is given in observed_event_tdb format. Optional in labels; not intended for use as a table field.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Stellar_ Occultation	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Time	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

observed_event_stop_tdb in Radio_ Occultation

Name: **observed_event_stop_tdb**			***Version Id:*** **1.0.0.0**
Description: observed_event_stop_tdb indicates the value for latest time in the described data, and is given in observed_event_tdb format. Optional in labels; not intended for use as a table field. Nillable if the observation is not an occultation in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_ Occultation	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Time	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

observed_event_stop_tdb in Stellar_ Occultation

Name: **observed_event_stop_tdb**			***Version Id:*** **1.0.0.0**
Description: observed_event_stop_tdb indicates the value for latest time in the described data, and is given in observed_event_tdb format. Optional in labels; not intended for use as a table field. Nillable if the observation is not an occultation in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Stellar_ Occultation	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Time	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None

Name: **observed_event_stop_tdb**			***Version Id:*** **1.0.0.0**
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

observed_ring_elevation in Radio_ Occultation

Name: **observed_ring_elevation**			***Version Id:*** **1.0.0.0**
Description: observed_ring_elevation is an angle measured at a point in the ring plane, starting from the ring plane to the direction of a photon heading to the observer. This angle is positive on the side of the ring plane defined by positive angular momentum, and negative on the opposite side. Values range from -90 to +90 in units of degrees. This angle is constant for stellar occultations, but may vary significantly during radio occultations. Note: The direction of positive angular momentum points toward the IAU-defined north side of the ring plane for Jupiter, Saturn and Neptune, but IAU-defined south side of the ring plane for Uranus. Required in the label if the value is constant for the observation. If the angle varies for the observation, the min and max attributes are required in the label, and observed_ring_elevation is strongly recommended as a field in the data table. Nillable, in which case the nil_reason should be 'inapplicable'. The above definition of observed_ring_elevation is equivalent to the most common usage of the term 'ring open angle', B.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_ Occultation	*Type:* ASCII_Real
Minimum Value: -90	*Maximum Value:* 90	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Angle	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

observed_ring_elevation in Stellar_ Occultation

Name: **observed_ring_elevation**			***Version Id:*** **1.0.0.0**
Description: observed_ring_elevation is an angle measured at a point in the ring plane, starting from the ring plane to the direction of a photon heading to the observer. This angle is positive on the side of the ring plane defined by positive angular momentum, and negative on the opposite side. Values range from -90 to +90 in units of degrees. This angle is constant for stellar occultations, but may vary significantly during radio occultations. Note: The direction of positive angular momentum points toward the IAU-defined north side of the ring plane for Jupiter, Saturn and Neptune, but IAU-defined south side of the ring plane for Uranus. Required in the label if the value is constant for the observation. If the angle varies for the observation, the min and max attributes are required in the label, and observed_ring_elevation is strongly recommended as a field in the data table. Nillable, in which case the nil_reason should be 'inapplicable'. The above definition of observed_ring_elevation is equivalent to the most common usage of the term 'ring open angle', B.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Stellar_ Occultation	*Type:* ASCII_Real
Minimum Value: -90	*Maximum Value:* 90	*Minimum Characters:* None	*Maximum Characters:* None

Name: **observed_ring_elevation**			***Version Id:*** **1.0.0.0**
Unit of Measure Type: Units_of_Angle	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

occultation_type in Radio_Occultation

Name: **occultation_type**			***Version Id:*** **1.0.0.0**
Description: occultation_type distinguishes between three types of occultation experiments: Stellar, Solar, and Radio. Stellar occultations involve observing a star as a targeted ring or body passes in front, as seen from either a spacecraft or Earth-based observatory. Solar occultations are similar to stellar occultations except that the Sun is used in place of a star. Radio occultations typically involve observing the continuous-wave radio transmissions from a spacecraft as it passes behind the target as seen from a radio telescope on Earth or another spacecraft. Required in labels of occultation observations. Nillable if the observation is not an occultation in which case the nil_reason should be 'inapplicable'. Normally not intended as a value for a table field.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_ Occultation	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Radio	Radio occultation	
	Solar	Solar occultation	
	Stellar	Stellar occultation	

occultation_type in Radio_Occultation_ Support

Name: **occultation_type**			***Version Id:*** **1.0.0.0**
Description: occultation_type distinguishes between three types of occultation experiments: Stellar, Solar, and Radio. Stellar occultations involve observing a star as a targeted ring or body passes in front, as seen from either a spacecraft or Earth-based observatory. Solar occultations are similar to stellar occultations except that the Sun is used in place of a star. Radio occultations typically involve observing the continuous-wave radio transmissions from a spacecraft as it passes behind the target as seen from a radio telescope on Earth or another spacecraft. Required in labels of occultation observations. Nillable if the observation is not an occultation in which case the nil_reason should be 'inapplicable'. Normally not intended as a value for a table field.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_ Occultation_Support	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	

Name: **occultation_type**			***Version Id:*** **1.0.0.0**
Permissible Value(s)	*Value*	*Value Meaning*	
	Radio	Radio occultation	
	Solar	Solar occultation	
	Stellar	Stellar occultation	

occultation_type in Stellar_Occultation

Name: **occultation_type**			***Version Id:*** **1.0.0.0**
Description: occultation_type distinguishes between three types of occultation experiments: Stellar, Solar, and Radio. Stellar occultations involve observing a star as a targeted ring or body passes in front, as seen from either a spacecraft or Earth-based observatory. Solar occultations are similar to stellar occultations except that the Sun is used in place of a star. Radio occultations typically involve observing the continuous-wave radio transmissions from a spacecraft as it passes behind the target as seen from a radio telescope on Earth or another spacecraft. Required in labels of occultation observations. Nillable if the observation is not an occultation in which case the nil_reason should be 'inapplicable'. Normally not intended as a value for a table field.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Stellar_ Occultation	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Radio	Radio occultation	
	Solar	Solar occultation	
	Stellar	Stellar occultation	

orbit_number in Radio_Occultation

Name: **orbit_number**			***Version Id:*** **1.0.0.0**
Description: orbit_number if present is the value assigned by the mission for the orbit number associated with the observation. Optional in labels of occultation observations and may be used multiple times. Nillable, the nil_reason should be 'inapplicable'. Normally not intended as a value for a table field.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_ Occultation	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* true	*Pattern:* None	
Permissible Value(s)	*No Values*		

orbit_number in Radio_Occultation_Support

Name: **orbit_number**			***Version Id:*** **1.0.0.0**
Description: orbit_number if present is the value assigned by the mission for the orbit number associated with the observation. Optional in labels of occultation observations and may be used multiple times. Nillable, the nil_reason should be 'inapplicable'. Normally not intended as a value for a table field.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_ Occultation_Support	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* true	*Pattern:* None	
Permissible Value(s)	*No Values*		

orbit_number in Stellar_Occultation

Name: **orbit_number**			***Version Id:*** **1.0.0.0**
Description: orbit_number if present is the value assigned by the mission for the orbit number associated with the observation. Optional in labels of occultation observations and may be used multiple times. Nillable, the nil_reason should be 'inapplicable'. Normally not intended as a value for a table field.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Stellar_ Occultation	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* true	*Pattern:* None	
Permissible Value(s)	*No Values*		

planetary_occultation_flag in Radio_ Occultation

Name: **planetary_occultation_flag**			***Version Id:*** **1.0.0.0**
Description: The planetary_occultation_flag is a yes-or-no flag that indicates whether a ring occultation track also intersects the planet. Required in labels of ring occultation observations. Nillable if the observation is not an occultation in which case the nil_reason should be 'inapplicable'. Normally not intended as a value for a table field.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_ Occultation	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 1
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	

Name: **planetary_occultation_flag**			***Version Id:*** **1.0.0.0**
Permissible Value(s)	*Value*	*Value Meaning*	
	N	The ring occultation track does not intersect the planet.	
	Y	Some portion of the ring occultation track also intersects the planet.	

planetary_occultation_flag in Radio_ Occultation_Support

Name: **planetary_occultation_flag**			***Version Id:*** **1.0.0.0**
Description: The planetary_occultation_flag is a yes-or-no flag that indicates whether a ring occultation track also intersects the planet. Required in labels of ring occultation observations. Nillable if the observation is not an occultation in which case the nil_reason should be 'inapplicable'. Normally not intended as a value for a table field.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_ Occultation_Support	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 1
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	N	The ring occultation track does not intersect the planet.	
	Y	Some portion of the ring occultation track also intersects the planet.	

planetary_occultation_flag in Stellar_ Occultation

Name: **planetary_occultation_flag**			***Version Id:*** **1.0.0.0**
Description: The planetary_occultation_flag is a yes-or-no flag that indicates whether a ring occultation track also intersects the planet. Required in labels of ring occultation observations. Nillable if the observation is not an occultation in which case the nil_reason should be 'inapplicable'. Normally not intended as a value for a table field.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Stellar_ Occultation	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 1
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	N	The ring occultation track does not intersect the planet.	

Name: **planetary_occultation_flag**			***Version Id:*** **1.0.0.0**
	Y	Some portion of the ring occultation track also intersects the planet.	

radial_resolution in Radio_Occultation

Name: **radial_resolution**			***Version Id:*** **1.0.0.0**
Description: radial_resolution indicates the nominal radial distance over which changes in ring properties can be detected within a data product. Note: this value may be larger than the radial_sampling_interval value, because a data product can be over-sampled. Required in labels if the value is fixed, as it is for stellar occultations. If the value varies, the corresponding minimum and maximum attributes must be used instead. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'. Not intended to be used as a table field.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_ Occultation	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Length	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

radial_resolution in Stellar_Occultation

Name: **radial_resolution**			***Version Id:*** **1.0.0.0**
Description: radial_resolution indicates the nominal radial distance over which changes in ring properties can be detected within a data product. Note: this value may be larger than the radial_sampling_interval value, because a data product can be over-sampled. Required in labels if the value is fixed, as it is for stellar occultations. If the value varies, the corresponding minimum and maximum attributes must be used instead. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'. Not intended to be used as a table field.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Stellar_ Occultation	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Length	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

radial_sampling_interval in Radio_ Occultation

Name: **radial_sampling_interval**	***Version Id:*** **1.0.0.0**
Description: radial_sampling_interval indicates the radial spacing between consecutive points in a ring profile. In practice, this may be somewhat smaller than the radial_resolution because a profile may be over-sampled. Required in labels if the value is fixed. If the value varies, the corresponding minimum and and maximum attributes must be used instead. Nillable if the observation is not a	

Name: **radial_sampling_interval**			***Version Id:*** **1.0.0.0**
ring occultation in which case the nil_reason should be 'inapplicable'. Not intended to be used as a table field.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_ Occultation	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Length	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

radial_sampling_interval in Stellar_ Occultation

Name: **radial_sampling_interval**			***Version Id:*** **1.0.0.0**
Description: radial_sampling_interval indicates the radial spacing between consecutive points in a ring profile. In practice, this may be somewhat smaller than the radial_resolution because a profile may be over-sampled. Required in labels if the value is fixed. If the value varies, the corresponding minimum and and maximum attributes must be used instead. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'. Not intended to be used as a table field.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Stellar_ Occultation	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Length	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

reference_time_utc in Radio_Occultation

Name: **reference_time_utc**			***Version Id:*** **1.0.0.0**
Description: reference_time_utc provides a date and time in UTC format. Given in a label when time values in a table are given as elapsed seconds offset from a reference time. Specifically required in the label for radio occultation data, but is not used for stellar occultation data. Required in the label for radio occultation data, or anytime spacecraft_event_time is a table field. Not used for stellar occultations. Nillable, the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_ Occultation	*Type:* ASCII_Date_ Time_YMD_UTC
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* true	*Pattern:* None	
Permissible Value(s)	*No Values*		

reference_time_utc in Radio_Occultation_Support

Name: **reference_time_utc**			***Version Id:*** **1.0.0.0**
Description: reference_time_utc provides a date and time in UTC format. Given in a label when time values in a table are given as elapsed seconds offset from a reference time. Specifically required in the label for radio occultation data, but is not used for stellar occultation data. Required in the label for radio occultation data, or anytime spacecraft_event_time is a table field. Not used for stellar occultations. Nillable, the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_Occultation_Support	*Type:* ASCII_Date_Time_YMD_UTC
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* true	*Pattern:* None	
Permissible Value(s)	*No Values*		

ring_event_start_tdb in Radio_Occultation

Name: **ring_event_start_tdb**			***Version Id:*** **1.0.0.0**
Description: ring_event_start_tdb indicates the value for earliest time in the described data, and is given in ring_event_tdb format. Optional in labels; not intended for use as a table field. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_Occultation	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Time	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

ring_event_start_tdb in Stellar_Occultation

Name: **ring_event_start_tdb**			***Version Id:*** **1.0.0.0**
Description: ring_event_start_tdb indicates the value for earliest time in the described data, and is given in ring_event_tdb format. Optional in labels; not intended for use as a table field. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Stellar_Occultation	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Time	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

ring_event_start_time_utc in Radio_Occultation

Name: **ring_event_start_time_utc**			***Version Id:*** **1.0.0.0**
Description: ring_event_start_time_utc gives the UTC time corresponding to the earliest time given by ring_event_time or ring_event_tdb in the data table. ring_event_start_time_utc is required for all ring occultation data. ring_event_start_time_utc is required label attribute for all ring occultation data. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_Occultation	*Type:* ASCII_Date_Time_YMD_UTC
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* true	*Pattern:* None	
Permissible Value(s)	*No Values*		

ring_event_start_time_utc in Stellar_Occultation

Name: **ring_event_start_time_utc**			***Version Id:*** **1.0.0.0**
Description: ring_event_start_time_utc gives the UTC time corresponding to the earliest time given by ring_event_time or ring_event_tdb in the data table. ring_event_start_time_utc is required for all ring occultation data. ring_event_start_time_utc is required label attribute for all ring occultation data. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Stellar_Occultation	*Type:* ASCII_Date_Time_YMD_UTC
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* true	*Pattern:* None	
Permissible Value(s)	*No Values*		

ring_event_stop_tdb in Radio_Occultation

Name: **ring_event_stop_tdb**			***Version Id:*** **1.0.0.0**
Description: ring_event_stop_tdb indicates the value for latest time in the described data, and is given in ring_event_tdb format. Optional in labels; not intended for use as a table field. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_Occultation	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None

Name: **ring_event_stop_tdb**			***Version Id:*** **1.0.0.0**
Unit of Measure Type: Units_of_Time	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

ring_event_stop_tdb in Stellar_Occultation

Name: **ring_event_stop_tdb**			***Version Id:*** **1.0.0.0**
Description: ring_event_stop_tdb indicates the value for latest time in the described data, and is given in ring_event_tdb format. Optional in labels; not intended for use as a table field. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Stellar_ Occultation	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Time	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

ring_event_stop_time_utc in Radio_ Occultation

Name: **ring_event_stop_time_utc**			***Version Id:*** **1.0.0.0**
Description: ring_event_stop_time_utc gives the UTC time corresponding to the latest time given by ring_event_time or ring_event_tdb in the data table. ring_event_stop_time_utc is required for all ring occultation data. ring_event_stop_time_utc is required label attribute for all ring occultation data. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_ Occultation	*Type:* ASCII_Date_ Time_YMD_UTC
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* true	*Pattern:* None	
Permissible Value(s)	*No Values*		

ring_event_stop_time_utc in Stellar_ Occultation

Name: **ring_event_stop_time_utc**	***Version Id:*** **1.0.0.0**
Description: ring_event_stop_time_utc gives the UTC time corresponding to the latest time given by ring_event_time or ring_event_tdb in the data table. ring_event_stop_time_utc is required for all ring occultation data. ring_event_stop_time_utc is required label attribute for all ring occultation	

Name: **ring_event_stop_time_utc**			***Version Id:*** **1.0.0.0**
data. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Stellar_ Occultation	*Type:* ASCII_Date_ Time_YMD_UTC
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* true	*Pattern:* None	
Permissible Value(s)	*No Values*		

ring_observation_id in Radio_Occultation

Name: **ring_observation_id**			***Version Id:*** **1.0.0.0**
Description: The ring_observation_id uniquely identifies a single experiment or observation (image, occultation profile, spectrum, etc.) within a rings-related data set. This is the common id by which data are identified within the Rings Node catalog. It describes the smallest quantity of data that can be usefully cataloged or analyzed by itself. Note that a single observation may be associated with multiple data products (e.g. raw and calibrated versions of an image). Note also that a single data product may be associated with multiple observations (e.g. a single WFPC2 image file containing four different images). A ring observation id is constructed using numbers, upper case letters, forward slash, colon, period, dash, and underscore as follows: p/type/host/ inst/time/... where p is a single-letter planet id (one of J, S, U, or N); type is IMG for images, OCC for occultation profile, etc.; host is the instrument host id, inst is the instrument id; time is the observation time as a date or instrument clock count; further information identifying the observation can then be appended as appropriate. Optional in labels. Nillable, in which case the nil_reason should be 'inapplicable'. Examples: J/IMG/VG2/ISS/20693.01/N J/IMG/ VG2/ISS/20693.02/W S/IMG/HST/WFPC2/1995-08-10/U2TF020B/PC1 U/OCC/VG2/ RSS/1986-01-24/S U/OCC/VG2/RSS/1986-01-24/X N/OCC/VG2/PPS/1989-08-25/SIGMA_SGR			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_ Occultation	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* true	*Pattern:* None	
Permissible Value(s)	*No Values*		

ring_observation_id in Radio_Occultation_ Support

Name: **ring_observation_id**	***Version Id:*** **1.0.0.0**
Description: The ring_observation_id uniquely identifies a single experiment or observation (image, occultation profile, spectrum, etc.) within a rings-related data set. This is the common id by which data are identified within the Rings Node catalog. It describes the smallest quantity of data that can be usefully cataloged or analyzed by itself. Note that a single observation may be associated with multiple data products (e.g. raw and calibrated versions of an image). Note also that a single data product may be associated with multiple observations (e.g. a single WFPC2 image file containing four different images). A ring observation id is constructed using numbers,	

Name: **ring_observation_id**			***Version Id:*** **1.0.0.0**
upper case letters, forward slash, colon, period, dash, and underscore as follows: p/type/host/ inst/time/... where p is a single-letter planet id (one of J, S, U, or N); type is IMG for images, OCC for occultation profile, etc.; host is the instrument host id, inst is the instrument id; time is the observation time as a date or instrument clock count; further information identifying the observation can then be appended as appropriate. Optional in labels. Nillable, in which case the nil_reason should be 'inapplicable'. Examples: J/IMG/VG2/ISS/20693.01/N J/IMG/ VG2/ISS/20693.02/W S/IMG/HST/WFPC2/1995-08-10/U2TF020B/PC1 U/OCC/VG2/ RSS/1986-01-24/S U/OCC/VG2/RSS/1986-01-24/X N/OCC/VG2/PPS/1989-08-25/SIGMA_SGR			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_ Occultation_Support	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* true	*Pattern:* None	
Permissible Value(s)	*No Values*		

ring_observation_id in Rings_Supplement

Name: **ring_observation_id**			***Version Id:*** **1.0.0.0**
Description: The ring_observation_id uniquely identifies a single experiment or observation (image, occultation profile, spectrum, etc.) within a rings-related data set. This is the common id by which data are identified within the Rings Node catalog. It describes the smallest quantity of data that can be usefully cataloged or analyzed by itself. Note that a single observation may be associated with multiple data products (e.g. raw and calibrated versions of an image). Note also that a single data product may be associated with multiple observations (e.g. a single WFPC2 image file containing four different images). A ring observation id is constructed using numbers, upper case letters, forward slash, colon, period, dash, and underscore as follows: p/type/host/ inst/time/... where p is a single-letter planet id (one of J, S, U, or N); type is IMG for images, OCC for occultation profile, etc.; host is the instrument host id, inst is the instrument id; time is the observation time as a date or instrument clock count; further information identifying the observation can then be appended as appropriate. Optional in labels. Nillable, in which case the nil_reason should be 'inapplicable'. Examples: J/IMG/VG2/ISS/20693.01/N J/IMG/ VG2/ISS/20693.02/W S/IMG/HST/WFPC2/1995-08-10/U2TF020B/PC1 U/OCC/VG2/ RSS/1986-01-24/S U/OCC/VG2/RSS/1986-01-24/X N/OCC/VG2/PPS/1989-08-25/SIGMA_SGR			
Namespace Id: rings	*Steward:* rings	*Class Name:* Rings_ Supplement	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* true	*Pattern:* None	
Permissible Value(s)	*No Values*		

ring_observation_id in Stellar_Occultation

Name: **ring_observation_id**	***Version Id:*** **1.0.0.0**
Description: The ring_observation_id uniquely identifies a single experiment or observation (image, occultation profile, spectrum, etc.) within a rings-related data set. This is the common id by which data are identified within the Rings Node catalog. It describes the smallest quantity of	

Name: **ring_observation_id**			***Version Id:*** **1.0.0.0**
data that can be usefully cataloged or analyzed by itself. Note that a single observation may be associated with multiple data products (e.g. raw and calibrated versions of an image). Note also that a single data product may be associated with multiple observations (e.g. a single WFPC2 image file containing four different images). A ring observation id is constructed using numbers, upper case letters, forward slash, colon, period, dash, and underscore as follows: p/type/host/inst/time/... where p is a single-letter planet id (one of J, S, U, or N); type is IMG for images, OCC for occultation profile, etc.; host is the instrument host id, inst is the instrument id; time is the observation time as a date or instrument clock count; further information identifying the observation can then be appended as appropriate. Optional in labels. Nillable, in which case the nil_reason should be 'inapplicable'. Examples: J/IMG/VG2/ISS/20693.01/N J/IMG/VG2/ISS/20693.02/W S/IMG/HST/WFPC2/1995-08-10/U2TF020B/PC1 U/OCC/VG2/RSS/1986-01-24/S U/OCC/VG2/RSS/1986-01-24/X N/OCC/VG2/PPS/1989-08-25/SIGMA_SGR			
Namespace Id: rings	*Steward:* rings	*Class Name:* Stellar_Occultation	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* true	*Pattern:* None	
Permissible Value(s)	*No Values*		

ring_occultation_direction in Radio_Occultation

Name: **ring_occultation_direction**			***Version Id:*** **1.0.0.0**
Description: ring_occultation_direction indicates the radial direction of an occultation track. This refers to the observed occultation track overall, not to the subset that might appear in a particular file. Permitted values are 'Ingress', 'Egress', 'Both', and 'Multiple'. The value 'multiple' is only used for some Hubble-based occultations where the occultation track is not monotonic over relatively short time scales. Required in labels of ring occultation observations. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'. Not intended as a value for a table field.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_Occultation	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Both	The ring radius along the a portion of the occultation track decreases with time, and along a different portion increases with time.	
	Egress	The ring radius along the occultation track increases with time.	
	Ingress	The ring radius along the occultation track decreases with time.	

Name: **ring_occultation_direction**			***Version Id:*** **1.0.0.0**
	Multiple	Only used for some Hubble-based occultations where the occultation track is not monotonic over relatively short time scales.	

ring_occultation_direction in Radio_Occultation_Support

Name: **ring_occultation_direction**			***Version Id:*** **1.0.0.0**
Description: ring_occultation_direction indicates the radial direction of an occultation track. This refers to the observed occultation track overall, not to the subset that might appear in a particular file. Permitted values are 'Ingress', 'Egress', 'Both', and 'Multiple'. The value 'multiple' is only used for some Hubble-based occultations where the occultation track is not monotonic over relatively short time scales. Required in labels of ring occultation observations. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'. Not intended as a value for a table field.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_Occultation_Support	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Both	The ring radius along the a portion of the occultation track decreases with time, and along a different portion increases with time.	
	Egress	The ring radius along the occultation track increases with time.	
	Ingress	The ring radius along the occultation track decreases with time.	
	Multiple	Only used for some Hubble-based occultations where the occultation track is not monotonic over relatively short time scales.	

ring_occultation_direction in Stellar_Occultation

Name: **ring_occultation_direction**			***Version Id:*** **1.0.0.0**
Description: ring_occultation_direction indicates the radial direction of an occultation track. This refers to the observed occultation track overall, not to the subset that might appear in a particular file. Permitted values are 'Ingress', 'Egress', 'Both', and 'Multiple'. The value 'multiple' is only used for some Hubble-based occultations where the occultation track is not monotonic over relatively short time scales. Required in labels of ring occultation observations. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'. Not intended as a value for a table field.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Stellar_Occultation	*Type:* ASCII_Short_String_Collapsed

Name: **ring_occultation_direction**			***Version Id:*** **1.0.0.0**
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Both	The ring radius along the a portion of the occultation track decreases with time, and along a different portion increases with time.	
	Egress	The ring radius along the occultation track increases with time.	
	Ingress	The ring radius along the occultation track decreases with time.	
	Multiple	Only used for some Hubble-based occultations where the occultation track is not monotonic over relatively short time scales.	

ring_profile_direction in Radio_Occultation

Name: **ring_profile_direction**			***Version Id:*** **1.0.0.0**
Description: ring_profile_direction indicates the radial direction of a ring occultation within a particular data product. Possible values are 'Ingress', 'Egress', or 'Multiple'. The value 'Multiple' is only used for some Hubble-based occultations where the occultation track is not monotonic over relatively short time scales. Required in labels of ring occultation observations. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'. Not intended as a value for a table field.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_ Occultation	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Egress	The ring radius along the occultation track increases with time.	
	Ingress	The ring radius along the occultation track decreases with time.	
	Multiple	Only used for some Hubble-based occultations where the occultation track is not monotonic over relatively short time scales.	

ring_profile_direction in Radio_Occultation_Support

Name: **ring_profile_direction**			***Version Id:*** **1.0.0.0**
Description: ring_profile_direction indicates the radial direction of a ring occultation within a particular data product. Possible values are 'Ingress', 'Egress', or 'Multiple'. The value 'Multiple' is only used for some Hubble-based occultations where the occultation track is not monotonic over relatively short time scales. Required in labels of ring occultation observations. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'. Not intended as a value for a table field.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_Occultation_Support	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Egress	The ring radius along the occultation track increases with time.	
	Ingress	The ring radius along the occultation track decreases with time.	
	Multiple	Only used for some Hubble-based occultations where the occultation track is not monotonic over relatively short time scales.	

ring_profile_direction in Stellar_Occultation

Name: **ring_profile_direction**			***Version Id:*** **1.0.0.0**
Description: ring_profile_direction indicates the radial direction of a ring occultation within a particular data product. Possible values are 'Ingress', 'Egress', or 'Multiple'. The value 'Multiple' is only used for some Hubble-based occultations where the occultation track is not monotonic over relatively short time scales. Required in labels of ring occultation observations. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'. Not intended as a value for a table field.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Stellar_Occultation	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Egress	The ring radius along the occultation track increases with time.	
	Ingress	The ring radius along the occultation track decreases with time.	

Name: **ring_profile_direction**			***Version Id:*** **1.0.0.0**
	Multiple	Only used for some Hubble-based occultations where the occultation track is not monotonic over relatively short time scales.	

sampling_parameter_interval in Radio_ Occultation_Support

Name: **sampling_parameter_interval**			***Version Id:*** **1.0.0.0**
Description: sampling_parameter_interval specifies the spacing of points at which data are sampled and at which a value for an instrument or dataset parameter is available. Used in labels for radio occultation supplemental files. Nillable in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_ Occultation_Support	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* true	*Pattern:* None	
Permissible Value(s)	*No Values*		

sampling_parameter_name in Radio_ Occultation_Support

Name: **sampling_parameter_name**			***Version Id:*** **1.0.0.0**
Description: sampling_parameter_name provides the name of the parameter which determines the sampling interval for uniformly sampled data. Used in labels for radio occultation supplemental files. Nillable in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_ Occultation_Support	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* true	*Pattern:* None	
Permissible Value(s)	*No Values*		

sampling_parameter_unit in Radio_ Occultation_Support

Name: **sampling_parameter_unit**			***Version Id:*** **1.0.0.0**
Description: sampling_parameter_unit provides the units of the parameter which determines the sampling interval for uniformly sampled data. Used in labels for radio occultation supplemental files. Nillable in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_ Occultation_Support	*Type:* ASCII_Short_ String_Collapsed

Name: **sampling_parameter_unit**			***Version Id:*** **1.0.0.0**
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* true	*Pattern:* None	
Permissible Value(s)	*No Values*		

source_pds3_id in Radio_Occultation

Name: **source_pds3_id**			***Version Id:*** **1.0.0.0**
Description: source_pds3_id is the PDS3 product identifier for the source product. If the source product has been archived under PDS4, use the Internal_Reference class in the Investigation_Area. source_pds3_id is required in occultation labels and may be used multiple times. The acceptable nil_reasons are 'inapplicable' and 'unknown'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_ Occultation	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* true	*Pattern:* None	
Permissible Value(s)	*No Values*		

source_pds3_id in Rings_Supplement

Name: **source_pds3_id**			***Version Id:*** **1.0.0.0**
Description: source_pds3_id is the PDS3 product identifier for the source product. If the source product has been archived under PDS4, use the Internal_Reference class in the Investigation_Area. source_pds3_id is required in occultation labels and may be used multiple times. The acceptable nil_reasons are 'inapplicable' and 'unknown'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Rings_ Supplement	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* true	*Pattern:* None	
Permissible Value(s)	*No Values*		

source_pds3_id in Stellar_Occultation

Name: **source_pds3_id**	***Version Id:*** **1.0.0.0**
Description: source_pds3_id is the PDS3 product identifier for the source product. If the source product has been archived under PDS4, use the Internal_Reference class in the Investigation_Area. source_pds3_id is required in occultation labels and may be used multiple times. The acceptable nil_reasons are 'inapplicable' and 'unknown'.	

***Name:* source_pds3_id**			***Version Id:* 1.0.0.0**
Namespace Id: rings	*Steward:* rings	*Class Name:* Stellar_ Occultation	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* true	*Pattern:* None	
Permissible Value(s)	*No Values*		

spacecraft_event_start_time_utc in Radio_ Occultation

***Name:* spacecraft_event_start_time_utc**			***Version Id:* 1.0.0.0**
Description: spacecraft_event_start_time_utc gives the UTC time corresponding to the earliest time given by spacecraft_event_time in the data table. However, while spacecraft_event_time is given as seconds offset from a reference time, spacecraft_event_start_time_utc is given as a UTC date time. spacecraft_event_start_time_utc is required in the label for radio occultation data, but is not used for stellar occultation data. Required in the label for radio occultation data. Not used for stellar occultations. Nillable if the observation is not an occultation in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_ Occultation	*Type:* ASCII_Date_ Time_YMD_UTC
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* true	*Pattern:* None	
Permissible Value(s)	*No Values*		

spacecraft_event_stop_time_utc in Radio_ Occultation

***Name:* spacecraft_event_stop_time_utc**			***Version Id:* 1.0.0.0**
Description: spacecraft_event_stop_time_utc gives the UTC time corresponding to the latest time given by spacecraft_event_time in the data table. However, while spacecraft_event_time is given as seconds offset from a reference time, spacecraft_event_stop_time_utc is given as a UTC date time. spacecraft_event_stop_time_utc is required in the label for radio occultation data, but is not used for stellar occultation data. Required in the label for radio occultation data. Not used for stellar occultations.Nillable if the observation is not an occultation in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_ Occultation	*Type:* ASCII_Date_ Time_YMD_UTC
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* true	*Pattern:* None	

Name: **spacecraft_event_stop_time_utc**			***Version Id:*** **1.0.0.0**
Permissible Value(s)	*No Values*		

spice_filename in Radio_Occultation_Support

Name: **spice_filename**			***Version Id:*** **1.0.0.0**
Description: spice_filename gives the file name(s) of SPICE files used in the analysis. Only used if the SPICE files can not be identified using a LID or LIDVID. Otherwise the association is made in the Reference_Class using the Internal_Reference class. Optional in labels for radio occultation. Nillable in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_Occultation_Support	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

star_name in Stellar_Occultation

Name: **star_name**			***Version Id:*** **1.0.0.0**
Description: star_name provides the identifying name of star, including the catalog name if necessary. Examples include 'sigma Sgr' and 'SAO 123456' (for star number 123456 in the Smithsonian Astrophysical Observatory catalog). Use 'Sun' for solar occultations. Required in labels for stellar and solar occultations. Nillable if the observation is not a ring occultation in which case the nil_reason should be 'inapplicable'. Not used for radio occultations.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Stellar_Occultation	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

sub_stellar_clock_angle in Stellar_Occultation

Name: **sub_stellar_clock_angle**	***Version Id:*** **1.0.0.0**
Description: sub_stellar_clock_angle is an angle measured at a point in the ring plane, from the direction toward a star to the local radial direction. This angle is projected into the ring plane and measured in the clockwise (retrograde) direction. Equivalently, this is the prograde angle from the local radial direction to the direction toward the star. For stellar occultation data, this angle is equal to (180 - OBSERVED_RING_AZIMUTH) mod 360. It is available only for backward compatibility with previously published Cassini VIMS occultation data analysis;	

Name: **sub_stellar_clock_angle**			***Version Id:*** **1.0.0.0**
observed_ring_azimuth is the preferred quantity for archiving. sub_stellar_clock_angle is an optional data table field for Cassini VIMS occultation data; not recommended for other occultation data. In a label, the min and max variation attributes are optional for Cassini VIMS occultation data; not recommended for other occultation data.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Stellar_ Occultation	*Type:* ASCII_Real
Minimum Value: 0	*Maximum Value:* 360	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Angle	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

sub_stellar_ring_azimuth in Stellar_ Occultation

Name: **sub_stellar_ring_azimuth**			***Version Id:*** **1.0.0.0**
Description: sub_stellar_ring_azimuth is an angle measured at a point in the ring plane, starting from the direction of a photon arriving from a star, and ending at the direction of a local radial vector. This angle is projected into the ring plane and measured in the prograde direction. Values range from 0 to 360 in units of degrees. For stellar occultation data, this angle is equal to (observed_ring_azimuth + 180) mod 360. It is available only for backward compatibility with previously published Cassini UVIS occultation data analysis; observed_ring_azimuth is the preferred quantity for archiving. sub_stellar_ring_azimuth is an optional data table field for Cassini UVIS occultation data; not recommended for other occultation data. In a label, the min and max variation attributes are optional for Cassini UVIS occultation data; not recommended for other occultation data.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Stellar_ Occultation	*Type:* ASCII_Real
Minimum Value: 0	*Maximum Value:* 360	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Angle	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

wavelength in Radio_Occultation

Name: **wavelength**			***Version Id:*** **1.0.0.0**
Description: wavelength of the observation. Optional in labels. If the observation is over a wavelength range, use the corresponding minimum and maximum attributes instead. Nillable in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Radio_ Occultation	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Length	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None

Name: **wavelength**			***Version Id:*** **1.0.0.0**
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

wavelength in Stellar_Occultation

Name: **wavelength**			***Version Id:*** **1.0.0.0**
Description: wavelength of the observation. Optional in labels. If the observation is over a wavelength range, use the corresponding minimum and maximum attributes instead. Nillable in which case the nil_reason should be 'inapplicable'.			
Namespace Id: rings	*Steward:* rings	*Class Name:* Stellar_ Occultation	*Type:* ASCII_Real
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Length	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

Chapter 10. Attributes in the Imaging discipline namespace.

These attributes are used by the classes defined for the Imaging namespace.

application_process_id in Telemetry_Parameters

Name: **application_process_id**			***Version Id:*** **1.0.0.0**
Description: The application_process_id attribute identifies the process, or source, which created the data.			
Namespace Id: img	*Steward:* img	*Class Name:* Telemetry_Parameters	*Type:* ASCII_Integer
Minimum Value: 0	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

application_process_name in Telemetry_Parameters

Name: **application_process_name**			***Version Id:*** **1.0.0.0**
Description: The application_process_name attribute provides the name associated with the source or process which created the data.			
Namespace Id: img	*Steward:* img	*Class Name:* Telemetry_Parameters	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 127
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

earth_received_start_date_time in Telemetry_Parameters

Name: **earth_received_start_date_time**			***Version Id:*** **1.0.0.0**
Description: The earth_received_start_date_time attribute provides the earliest time at which any component telemetry data for a particular product was received.			
Namespace Id: img	*Steward:* img	*Class Name:* Telemetry_Parameters	*Type:* ASCII_Date_Time_UTC

Name: **earth_received_start_date_time**			***Version Id:*** **1.0.0.0**
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Time	*Conceptual Domain:* Time
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

earth_received_stop_date_time in Telemetry_Parameters

Name: **earth_received_stop_date_time**			***Version Id:*** **1.0.0.0**
Description: The earth_received_stop_date_time attribute provides the latest time at which any component telemetry data for a particular product was received.			
Namespace Id: img	*Steward:* img	*Class Name:* Telemetry_Parameters	*Type:* ASCII_Date_Time_UTC
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Time	*Conceptual Domain:* Time
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

expected_packets in Telemetry_Parameters

Name: **expected_packets**			***Version Id:*** **1.0.0.0**
Description: The expected_packets attribute provides the total number of telemetry packets which constitute a complete data product, i.e., a data product without missing data.			
Namespace Id: img	*Steward:* img	*Class Name:* Telemetry_Parameters	*Type:* ASCII_Integer
Minimum Value: 0	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

packet_map_mask in Telemetry_Parameters

Name: **packet_map_mask**			***Version Id:*** **1.0.0.0**
Description: The packet_map_mask attribute is a binary or hexadecimal number identifying which of a data file's expected packets were actually received. The digits correspond positionally with the relative packet numbers of the data file. The bits are to be read left to right; i.e., the first (left-most) digit of the number corresponds to the first packet of the data file. A bit value of 1 indicates that the packet was received; a value of 0 indicates that it was not received.			
Namespace Id: img	*Steward:* img	*Class Name:* Telemetry_Parameters	*Type:* ASCII_Numeric_Base16

Name: **packet_map_mask**			***Version Id:*** **1.0.0.0**
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Mask	*Conceptual Domain:* Numeric
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

received_packets in Telemetry_Parameters

Name: **received_packets**			***Version Id:*** **1.0.0.0**
Description: The received_packets attribute provides the total number of telemetry packets which constitute a reconstructed data product, cf. expected_packets.			
Namespace Id: img	*Steward:* img	*Class Name:* Telemetry_Parameters	*Type:* ASCII_Integer
Minimum Value: 0	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Count	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

spice_file_name in Telemetry_Parameters

Name: **spice_file_name**			***Version Id:*** **1.0.0.0**
Description: The spice_file_name attribute provides the names of the SPICE files used in processing the data.			
Namespace Id: img	*Steward:* img	*Class Name:* Telemetry_Parameters	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

telemetry_format_id in Telemetry_Parameters

Name: **telemetry_format_id**			***Version Id:*** **1.0.0.0**
Description: The telemetry_format_id attribute supplies a telemetry format code.			
Namespace Id: img	*Steward:* img	*Class Name:* Telemetry_Parameters	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 4
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	

Name: **telemetry_format_id**			***Version Id:*** **1.0.0.0**
Permissible Value(s)	*No Values*		

telemetry_provider_id in Telemetry_ Parameters

Name: **telemetry_provider_id**			***Version Id:*** **1.0.0.0**
Description: The telemetry_provider_id attribute identifies the provider and or version of the telemetry data used in the generation of this data.			
Namespace Id: img	*Steward:* img	*Class Name:* Telemetry_Parameters	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* 20
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* ID	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

telemetry_source_name in Telemetry_ Parameters

Name: **telemetry_source_name**			***Version Id:*** **1.0.0.0**
Description: The telemetry_source_name attribute identifies the telemetry source used in creation of a data set.			
Namespace Id: img	*Steward:* img	*Class Name:* Telemetry_Parameters	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 60
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* Name	*Conceptual Domain:* Short_String
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

telemetry_source_type in Telemetry_ Parameters

Name: **telemetry_source_type**			***Version Id:*** **1.0.0.0**
Description: The telemetry_source_type attribute classifies the source of the telemetry used in creation of this data collection.			
Namespace Id: img	*Steward:* img	*Class Name:* Telemetry_Parameters	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_None	*Default Unit Id:* None	*Attribute Concept:* Type	*Conceptual Domain:* Short_String

Name: **telemetry_source_type**			***Version Id:*** **1.0.0.0**
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	DATA_PRODUCT	The telemetry source is a data product.	
	SFDU	The telemetry source is an SFDU	

Chapter 11. Attributes in the Display namespace.

These attributes are used by the classes defined for the Display namespace.

blue_channel_band in Color_Display_Settings

Name: **blue_channel_band**			***Version Id:*** **1.0.0.0**
Description: The blue_channel_band attribute identifies the number of the band, along the band axis, that should be loaded, by default, into the blue channel of a display device. The first band along the band axis has band number 1.			
Namespace Id: disp	*Steward:* img	*Class Name:* Color_ Display_Settings	*Type:* ASCII_Integer
Minimum Value: 1	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

color_display_axis in Color_Display_Settings

Name: **color_display_axis**			***Version Id:*** **1.0.0.0**
Description: The color_display_axis attribute identifies, by name, the axis of an Array (or Array subclass) that is intended to be displayed in the color dimension of a display device. I.e., bands from this dimension will be loaded into the red, green, and blue bands of the display device. The value of this attribute must match the value of one, and only one, axis_name attribute in an Axis_Array class of the associated Array.			
Namespace Id: disp	*Steward:* img	*Class Name:* Color_ Display_Settings	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

frame_rate in Movie_Display_Settings

Name: **frame_rate**			***Version Id:*** **1.0.0.0**
Description: The frame_rate attribute indicates the number of still pictures (or frames) that should be displayed per unit of time in a video. Note this is NOT necessarily the same as the rate at which the images were acquired.			
Namespace Id: disp	*Steward:* img	*Class Name:* Movie_ Display_Settings	*Type:* ASCII_Real

Name: **frame_rate**			***Version Id:*** **1.0.0.0**
Minimum Value: 1.0	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Frame_Rate	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Real
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

green_channel_band in Color_Display_Settings

Name: **green_channel_band**			***Version Id:*** **1.0.0.0**
Description: The green_channel_band attribute identifies the number of the band, along the band axis, that should be loaded, by default, into the green channel of a display device. The first band along the band axis has band number 1.			
Namespace Id: disp	*Steward:* img	*Class Name:* Color_Display_Settings	*Type:* ASCII_Integer
Minimum Value: 1	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

horizontal_display_axis in Display_Direction

Name: **horizontal_display_axis**			***Version Id:*** **1.0.0.0**
Description: The horizontal_display_axis attribute identifies, by name, the axis of an Array (or Array subclass) that is intended to be displayed in the horizontal or "sample" dimension on a display device. The value of this attribute must match the value of one, and only one, axis_name attribute in an Axis_Array class of the associated Array.			
Namespace Id: disp	*Steward:* img	*Class Name:* Display_Direction	*Type:* ASCII_Short_String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

horizontal_display_direction in Display_Direction

Name: **horizontal_display_direction**	***Version Id:*** **1.0.0.0**
Description: The horizontal_display_direction attribute specifies the direction across the screen of a display device that data along the horizontal axis of an Array is supposed to be displayed.	

Name: **horizontal_display_direction**			***Version Id:*** **1.0.0.0**
Namespace Id: disp	*Steward:* img	*Class Name:* Display_ Direction	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Left to Right	The lowest indexed element along an array axis should be displayed at the left edge of a display device and elements with higher indices should be displayed further to the right. Note that this is the standard display direction for most major image formats.	
	Right to Left	The lowest indexed element along an array axis should be displayed at the right edge of a display device and elements with higher indices should be displayed further to the left. Note that virtually no image display formats use this display direction. Use this only when deliberately mirroring the image around the vertical axis.	

loop_back_and_forth_flag in Movie_Display_Settings

Name: **loop_back_and_forth_flag**			***Version Id:*** **1.0.0.0**
Description: The loop_back_and_forth_flag attribute specifies whether or not a movie should only be "looped" or played repeatedly in the forward direction, or whether it should be played forward followed by played in reverse, iteratively.			
Namespace Id: disp	*Steward:* img	*Class Name:* Movie_ Display_Settings	*Type:* ASCII_Boolean
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Boolean
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	false	When looping, the movie should only be played in the forward direction. This is the default behavior.	
	true	When looping, the movie should be played in the forward direction, followed by the reverse direction, iteratively.	

loop_count in Movie_Display_Settings

Name: **loop_count**			***Version Id:*** **1.0.0.0**
Description: The loop_count attribute specifies the number of times a movie should be "looped" or replayed before stopping.			
Namespace Id: disp	*Steward:* img	*Class Name:* Movie_ Display_Settings	*Type:* ASCII_Integer
Minimum Value: 1	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

loop_delay in Movie_Display_Settings

Name: **loop_delay**			***Version Id:*** **1.0.0.0**
Description: The loop_delay attribute specifies the amount of time to pause between "loops" or repeated playbacks of a movie.			
Namespace Id: disp	*Steward:* img	*Class Name:* Movie_ Display_Settings	*Type:* ASCII_Real
Minimum Value: 0.0	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: Units_of_Time	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Real
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

loop_flag in Movie_Display_Settings

Name: **loop_flag**			***Version Id:*** **1.0.0.0**
Description: The loop_flag attribute specifies whether or not a movie object should be played repeatedly without prompting from the user.			
Namespace Id: disp	*Steward:* img	*Class Name:* Movie_ Display_Settings	*Type:* ASCII_Boolean
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Boolean
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	false	The movie should be not be 'looped' or played repeatedly.	
	true	The movie should be 'looped' or played repeatedly.	

red_channel_band in Color_Display_Settings

Name: **red_channel_band**			***Version Id:*** **1.0.0.0**
Description: The red_channel_band attribute identifies the number of the band, along the band axis, that should be loaded, by default, into the red channel of a display device. The first band along the band axis has band number 1.			
Namespace Id: disp	*Steward:* img	*Class Name:* Color_ Display_Settings	*Type:* ASCII_Integer
Minimum Value: 1	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* Integer
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

time_display_axis in Movie_Display_Settings

Name: **time_display_axis**			***Version Id:*** **1.0.0.0**
Description: The time_display_axis attribute identifies, by name, the axis of an Array (or Array subclass), the bands of which are intended to be displayed sequentially in time on a display device. The frame_rate attribute, if present, provides the rate at which these bands are to be displayed.			
Namespace Id: disp	*Steward:* img	*Class Name:* Movie_ Display_Settings	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

vertical_display_axis in Display_Direction

Name: **vertical_display_axis**			***Version Id:*** **1.0.0.0**
Description: The vertical_display_axis attribute identifies, by name, the axis of an Array (or Array subclass) that is intended to be displayed in the vertical or "line" dimension on a display device. The value of this attribute must match the value of one, and only one, axis_name attribute in an Axis_Array class of the associated Array.			
Namespace Id: disp	*Steward:* img	*Class Name:* Display_ Direction	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*No Values*		

vertical_display_direction in Display_ Direction

Name: **vertical_display_direction**			***Version Id:*** **1.0.0.0**
Description: The vertical_display_direction attribute specifies the direction along the screen of a display device that data along the vertical axis of an Array is supposed to be displayed.			
Namespace Id: disp	*Steward:* img	*Class Name:* Display_ Direction	*Type:* ASCII_Short_ String_Collapsed
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
Unit of Measure Type: None	*Default Unit Id:* None	*Attribute Concept:* None	*Conceptual Domain:* None
Status: Active	*Nillable:* false	*Pattern:* None	
Permissible Value(s)	*Value*	*Value Meaning*	
	Bottom to Top	The lowest indexed element along an array axis should be displayed at the bottom edge of a display device and elements with higher indices should be displayed higher up. This is the display direction typically used for FITS formatted data.	
	Top to Bottom	The lowest indexed element along an array axis should be displayed at the top edge of a display device and elements with higher indices should be displayed lower down. This is the display direction typically used for VICAR formatted data.	

Chapter 12. Data Types in the common (pds) namespace.

These classes define the PDS4 data types.

ASCII_AnyURI

Name: **ASCII_AnyURI**			***Version Id:*** **1.0.0.0**
Description The ASCII AnyURI class indicates a URI or its subclasses URN and URL.			
Schema Base Type: anyURI			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	No Pattern		

ASCII_Boolean

Name: **ASCII_Boolean**			***Version Id:*** **1.0.0.0**
Description The ASCII_Boolean class indicates a boolean. The allowed values are 'true' and 'false'.			
Schema Base Type: boolean			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	No Pattern		

ASCII_DOI

Name: **ASCII_DOI**			***Version Id:*** **1.0.0.0**
Description The ASCII DOI class indicates a digital object identifier (DOI).			
Schema Base Type: string			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	Pattern		
	10\.\S+/\S+		

ASCII_Date

Name: **ASCII_Date**			***Version Id:*** **1.0.0.0**
Description The ASCII_Date class indicates a date in either YMD or DOY format.			
Schema Base Type: string			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	Pattern		

Name: **ASCII_Date**			***Version Id:*** **1.0.0.0**
	(-)?[0-9]{4}		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6]))))		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))		

ASCII_Date_DOY

Name: **ASCII_Date_DOY**			***Version Id:*** **1.0.0.0**
Description The ASCII_Date_DOY class indicates a date in DOY format.			
Schema Base Type: string			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	Pattern		
	(-)?[0-9]{4}(Z?)		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6])))(Z?)		

ASCII_Date_Time

Name: **ASCII_Date_Time**			***Version Id:*** **1.0.0.0**
Description The ASCII_Date_Time class indicates a date in either YMD or DOY format and time.			
Schema Base Type: string			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	Pattern		
	(-)?[0-9]{4}		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6]))))		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6])))(T)(([0-1][0-9])|(2[0-3])):[0-5][0-9](Z)?		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6])))(T)(([0-1][0-9])|(2[0-3])):[0-5][0-9]:(([0-5][0-9])|60)(\.([0-9]{1,4}))?(Z)?		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6])))(T)(([0-1][0-9])|(2[0-4]))(Z)?		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6])))(T)24:00((:00((\.0+)?))?)(Z)?		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(T)(([0-1][0-9])|(2[0-3])):[0-5][0-9](Z)?		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(T)(([0-1][0-9])|(2[0-3])):[0-5][0-9]:(([0-5][0-9])|60)(\.([0-9]{1,4}))?(Z)?		

Name: **ASCII_Date_Time**	***Version Id:*** **1.0.0.0**
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(T)(([0-1][0-9])|(2[0-4]))(Z)?
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(T)24:00((:00((\.0+)?))?)(Z)?

ASCII_Date_Time_DOY

Name: **ASCII_Date_Time_DOY**			***Version Id:*** **1.0.0.0**
Description The ASCII_Date_Time_DOY class indicates a date in DOY format and time.			
Schema Base Type: string			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	Pattern		
	(-)?[0-9]{4}(Z?)		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6]))))(T)(([0-1][0-9])|(2[0-3])):[0-5][0-9](Z?)		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6]))))(T)(([0-1][0-9])|(2[0-3])):[0-5][0-9]:(([0-5][0-9])|60)(\.([0-9]{1,4}))?(Z?)		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6]))))(T)(([0-1][0-9])|(2[0-4]))(Z?)		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6]))))(T)24((:00)|(:00:00))?(Z?)		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6]))))(T)24:00:00(\.([0]{1,4}))(Z?)		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6]))))(Z?)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(T)(([0-1][0-9])|(2[0-3])):[0-5][0-9](Z?)		

ASCII_Date_Time_DOY_UTC

Name: **ASCII_Date_Time_DOY_UTC**			***Version Id:*** **1.0.0.0**
Description The ASCII_Date_Time_DOY_UTC class indicates a date (in DOY format) and time in UTC.			
Schema Base Type: string			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	Pattern		
	(-)?[0-9]{4}(Z)		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6]))))(T)(([0-1][0-9])|(2[0-3])):[0-5][0-9](Z)		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6]))))(T)(([0-1][0-9])|(2[0-3])):[0-5][0-9]:(([0-5][0-9])|60)(\.([0-9]{1,4}))?(Z)		

Name: **ASCII_Date_Time_DOY_UTC**			***Version Id:*** **1.0.0.0**
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6]))))(T)(([0-1][0-9])|(2[0-4]))(Z)		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6]))))(T)24((:00)|(:00:00))?(Z)		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6]))))(T)24:00:00(\.([0]{1,4}))(Z)		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6]))))(Z)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(T)(([0-1][0-9])|(2[0-3])):[0-5][0-9](Z)		

ASCII_Date_Time_UTC

Name: **ASCII_Date_Time_UTC**			***Version Id:*** **1.0.0.0**
Description The ASCII_Date_Time_UTC class indicates a date and time in UTC format.			
Schema Base Type: string			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	Pattern		
	(-)?[0-9]{4}(Z)		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6]))))(T)(([0-1][0-9])|(2[0-3])):[0-5][0-9](Z)		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6]))))(T)(([0-1][0-9])|(2[0-3])):[0-5][0-9]:(([0-5][0-9])|60)(\.([0-9]{1,4}))?(Z)		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6]))))(T)(([0-1][0-9])|(2[0-4]))(Z)		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6]))))(T)24:00((:00((\.0+)?))?)(Z)		
	(-)?[0-9]{4}-((00[1-9])|(0[1-9][0-9])|([1-2][0-9][0-9])|(3(([0-5][0-9])|(6[0-6]))))(Z)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))(Z)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(T)(([0-1][0-9])|(2[0-3])):[0-5][0-9](Z)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(T)(([0-1][0-9])|(2[0-3])):[0-5][0-9]:(([0-5][0-9])|60)(\.([0-9]{1,4}))?(Z)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(T)(([0-1][0-9])|(2[0-4]))(Z)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(T)24:00((:00((\.0+)?))?)(Z)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(Z)		

ASCII_Date_Time_YMD

Name: **ASCII_Date_Time_YMD**			***Version Id:*** **1.0.0.0**
Description The ASCII_Date_Time_YMD class indicates a date in YMD format and time.			
Schema Base Type: string			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	Pattern		
	(-)?[0-9]{4}(Z?)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))(Z?)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(T)(([0-1][0-9])|(2[0-3]))(Z?)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(T)(([0-1][0-9])|(2[0-3])):[0-5][0-9](Z?)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(T)(([0-1][0-9])|(2[0-3])):[0-5][0-9]:(([0-5][0-9])|60)(\.([0-9]{1,4}))?(Z?)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(T)24((:00)|(:00:00))?(Z?)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(T)24:00:00(\.([0]{1,4}))(Z?)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(Z?)		

ASCII_Date_Time_YMD_UTC

Name: **ASCII_Date_Time_YMD_UTC**			***Version Id:*** **1.0.0.0**
Description The ASCII_Date_Time_YMD_UTC class indicates a date (in YMD format) and time in UTC.			
Schema Base Type: string			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	Pattern		
	(-)?[0-9]{4}(Z)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))(Z)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(T)(([0-1][0-9])|(2[0-3]))(Z)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(T)(([0-1][0-9])|(2[0-3])):[0-5][0-9](Z)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(T)(([0-1][0-9])|(2[0-3])):[0-5][0-9]:(([0-5][0-9])|60)(\.([0-9]{1,4}))?(Z)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(T)24((:00)|(:00:00))?(Z)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(T)24:00:00(\.([0]{1,4}))(Z)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(Z)		

ASCII_Date_YMD

Name: **ASCII_Date_YMD**			***Version Id:*** **1.0.0.0**
Description The ASCII_Date_YMD class indicates a date in YMD format.			
Schema Base Type: string			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	Pattern		
	(-)?[0-9]{4}(Z?)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))(Z?)		
	(-)?[0-9]{4}-((0[1-9])|(1[0-2]))-((0[1-9])|([1-2][0-9])|(3[0-1]))(Z?)		

ASCII_Directory_Path_Name

Name: **ASCII_Directory_Path_Name**			***Version Id:*** **1.0.0.0**
Description The ASCII Directory Path Name class indicates a system directory path.			
Schema Base Type: token			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
	No Pattern		

ASCII_File_Name

Name: **ASCII_File_Name**			***Version Id:*** **1.0.0.0**
Description The ASCII File Name class indicates a system file name.			
Schema Base Type: token			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
	No Pattern		

ASCII_File_Specification_Name

Name: **ASCII_File_Specification_Name**			***Version Id:*** **1.0.0.0**
Description The ASCII File Specification Name class indicates a system file including directory path, file name, and file extension.			
Schema Base Type: token			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
	No Pattern		

ASCII_Integer

Name: **ASCII_Integer**			***Version Id:*** **1.0.0.0**
Description The ASCII_Integer class indicates an integer.			
Schema Base Type: integer			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	No Pattern		

ASCII_LID

Name: **ASCII_LID**			***Version Id:*** **1.0.0.0**
Description The ASCII_LID class indicates a logical identifier.			
Schema Base Type: string			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 14	*Maximum Characters:* 255
	No Pattern		

ASCII_LIDVID

Name: **ASCII_LIDVID**			***Version Id:*** **1.0.0.0**
Description The ASCII_LIDVID class indicates a logical identifier and version identifier.			
Schema Base Type: string			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 19	*Maximum Characters:* 255
	No Pattern		

ASCII_LIDVID_LID

Name: **ASCII_LIDVID_LID**			***Version Id:*** **1.0.0.0**
Description The ASCII_LIDVID_LID class indicates a logical identifier and version identifier or simply the logical identfier.			
Schema Base Type: string			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 14	*Maximum Characters:* 255
	No Pattern		

ASCII_MD5_Checksum

Name: **ASCII_MD5_Checksum**	***Version Id:*** **1.0.0.0**
Description The ASCII MD5 Checksum class indicates a checksum computed by the Message-Digest algorithm 5 (MD5).	

Name: **ASCII_MD5_Checksum**			***Version Id:*** **1.0.0.0**
Schema Base Type: string			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 32	*Maximum Characters:* 32
	Pattern		
	[0-9a-fA-F]{32}		

ASCII_NonNegative_Integer

Name: **ASCII_NonNegative_Integer**			***Version Id:*** **1.0.0.0**
Description The ASCII_NonNegative_Integer class indicates a non-negative integer.			
Schema Base Type: nonNegativeInteger			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	No Pattern		

ASCII_Numeric_Base16

Name: **ASCII_Numeric_Base16**			***Version Id:*** **1.0.0.0**
Description The ASCII Numeric Base16 class indicates a ASCII encoded string constrained to hexadecimal digits.			
Schema Base Type: hexBinary			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
	No Pattern		

ASCII_Numeric_Base2

Name: **ASCII_Numeric_Base2**			***Version Id:*** **1.0.0.0**
Description The ASCII Numeric Base2 class indicates a ASCII encoded string constrained to binary digits.			
Schema Base Type: string			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
	Pattern		
	[0-1]{1,255}		

ASCII_Numeric_Base8

Name: **ASCII_Numeric_Base8**	***Version Id:*** **1.0.0.0**
Description The ASCII Numeric Base8 class indicates a ASCII encoded string constrained to octal digits.	

Name: **ASCII_Numeric_Base8**			***Version Id:*** **1.0.0.0**
Schema Base Type: string			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
	Pattern		
	[0-7]{1,255}		

ASCII_Real

Name: **ASCII_Real**			***Version Id:*** **1.0.0.0**
Description The ASCII_Real class indicates a real.			
Schema Base Type: double			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	No Pattern		

ASCII_Short_String_Collapsed

Name: **ASCII_Short_String_Collapsed**			***Version Id:*** **1.0.0.0**
Description The ASCII_Short_String_Collapsed class indicates a limited length, whitespace-collapsed string.			
Schema Base Type: token			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
	No Pattern		

ASCII_Short_String_Preserved

Name: **ASCII_Short_String_Preserved**			***Version Id:*** **1.0.0.0**
Description The ASCII_Short_String_Preserved class indicates a limited length, whitespace-preserved string.			
Schema Base Type: string			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
	No Pattern		

ASCII_String

Name: **ASCII_String**			***Version Id:*** **1.0.0.0**
Description The ASCII_String class indicates a limited length ASCII text string with whitespaces removed.			
Schema Base Type: token			

Name: **ASCII_String**			***Version Id:*** **1.0.0.0**
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* None
	No Pattern		

ASCII_Text_Collapsed

Name: **ASCII_Text_Collapsed**			***Version Id:*** **1.0.0.0**
Description The ASCII_Text_Collapsed class indicates an unlimited length, whitespace-collapsed text string.			
Schema Base Type: token			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* None
	No Pattern		

ASCII_Text_Preserved

Name: **ASCII_Text_Preserved**			***Version Id:*** **1.0.0.0**
Description The ASCII_Text_Preserved class indicates an unlimited length, whitespace-preserved text string.			
Schema Base Type: string			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* None
	No Pattern		

ASCII_Time

Name: **ASCII_Time**			***Version Id:*** **1.0.0.0**
Description The ASCII_Time class indicates a time value.			
Schema Base Type: string			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	Pattern		
	(([0-1][0-9])|(2[0-3])):[0-5][0-9](Z?)		
	(([0-1][0-9])|(2[0-3])):[0-5][0-9]:(([0-5][0-9])|60)((\.[0-9]+)|)(Z?)		
	(([0-1][0-9])|(2[0-4]))(Z?)		
	24:00((:00((\.0+)|))|)(Z?)		

ASCII_VID

Name: **ASCII_VID**	***Version Id:*** **1.0.0.0**
Description The ASCII_VID class indicates a version identifier.	

Name: **ASCII_VID**			***Version Id:*** **1.0.0.0**
Schema Base Type: string			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 3	*Maximum Characters:* 100
	Pattern		
	0\.([1-9]|([0-9][0-9]+))		
	[1-9][0-9]*		
	[1-9][0-9]*\.[0-9]+		

Binary_Data_Type

Name: **Binary_Data_Type**			***Version Id:*** **1.0.0.0**
Description The Binary Data Type class is the abstract parent class for binary data types found in the digital objects.			
Schema Base Type: None			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	No Pattern		

Character_Data_Type

Name: **Character_Data_Type**			***Version Id:*** **1.0.0.0**
Description The Character Data Type class is the parent class for data types used to classify the values of attributes in class descriptions, i.e., product labels and character digital objects.			
Schema Base Type: None			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	No Pattern		

Complex

Name: **Complex**			***Version Id:*** **1.0.0.0**
Description Complex Binary Data Types			
Schema Base Type: None			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	No Pattern		

ComplexLSB16

Name: **ComplexLSB16**	***Version Id:*** **1.0.0.0**
Description Complex number consisting of two LSB 8 byte decimal reals.	

Name: **ComplexLSB16**			***Version Id:*** **1.0.0.0**
Schema Base Type: None			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	No Pattern		

ComplexLSB8

Name: **ComplexLSB8**			***Version Id:*** **1.0.0.0**
Description Complex number consisting of two LSB 4 byte decimal reals.			
Schema Base Type: None			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	No Pattern		

ComplexMSB16

Name: **ComplexMSB16**			***Version Id:*** **1.0.0.0**
Description Complex number consisting of two MSB 8 byte decimal reals.			
Schema Base Type: None			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	No Pattern		

ComplexMSB8

Name: **ComplexMSB8**			***Version Id:*** **1.0.0.0**
Description Complex number consisting of two MSB 4 byte decimal reals.			
Schema Base Type: None			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	No Pattern		

Data_Type

Name: **Data_Type**			***Version Id:*** **1.0.0.0**
Description The Data Type class is the abstract parent class for several classes of data types.			
Schema Base Type: None			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	No Pattern		

Decimal_Integer

Name: **Decimal_Integer**			***Version Id:*** **1.0.0.0**
Description Decimal Integer Binary Data Types			
Schema Base Type: None			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	No Pattern		

Decimal_Real

Name: **Decimal_Real**			***Version Id:*** **1.0.0.0**
Description Floating Point Binary Data Types			
Schema Base Type: None			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	No Pattern		

IEEE754LSBDouble

Name: **IEEE754LSBDouble**			***Version Id:*** **1.0.0.0**
Description IEEE 754 LSB double precision floating point			
Schema Base Type: None			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	No Pattern		

IEEE754LSBSingle

Name: **IEEE754LSBSingle**			***Version Id:*** **1.0.0.0**
Description IEEE 754 LSB single precision floating point			
Schema Base Type: None			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	No Pattern		

IEEE754MSBDouble

Name: **IEEE754MSBDouble**			***Version Id:*** **1.0.0.0**
Description IEEE 754 MSB double precision floating point			
Schema Base Type: None			

Name: **IEEE754MSBDouble**			***Version Id:*** **1.0.0.0**
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	No Pattern		

IEEE754MSBSingle

Name: **IEEE754MSBSingle**			***Version Id:*** **1.0.0.0**
Description IEEE 754 MSB single precision floating point			
Schema Base Type: None			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	No Pattern		

SignedBitString

Name: **SignedBitString**			***Version Id:*** **1.0.0.0**
Description Signed Bit String			
Schema Base Type: None			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	No Pattern		

SignedByte

Name: **SignedByte**			***Version Id:*** **1.0.0.0**
Description Signed 8-bit byte			
Schema Base Type: None			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	No Pattern		

SignedLSB2

Name: **SignedLSB2**			***Version Id:*** **1.0.0.0**
Description Signed 2's-complement LSB 2-byte integer			
Schema Base Type: None			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	No Pattern		

SignedLSB4

Name: **SignedLSB4**			***Version Id:*** **1.0.0.0**
Description Signed 2's-complement LSB 4-byte integer			
Schema Base Type: None			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	No Pattern		

SignedLSB8

Name: **SignedLSB8**			***Version Id:*** **1.0.0.0**
Description Signed 2's-complement LSB 8-byte integer			
Schema Base Type: None			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	No Pattern		

SignedMSB2

Name: **SignedMSB2**			***Version Id:*** **1.0.0.0**
Description Signed 2's-complement MSB 2-byte integer			
Schema Base Type: None			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	No Pattern		

SignedMSB4

Name: **SignedMSB4**			***Version Id:*** **1.0.0.0**
Description Signed 2's-complement MSB 4-byte integer			
Schema Base Type: None			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	No Pattern		

SignedMSB8

Name: **SignedMSB8**			***Version Id:*** **1.0.0.0**
Description Signed 2's-complement MSB 8-byte integer			
Schema Base Type: None			

Name: **SignedMSB8**			***Version Id:*** **1.0.0.0**
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	No Pattern		

UTF8_Short_String_Collapsed

Name: **UTF8_Short_String_Collapsed**			***Version Id:*** **1.0.0.0**
Description The UTF8_Short_String_Collapsed class indicates a limited length, whitespace-collapsed string constrained to the UTF-8 character encoding.			
Schema Base Type: token			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
	No Pattern		

UTF8_Short_String_Preserved

Name: **UTF8_Short_String_Preserved**			***Version Id:*** **1.0.0.0**
Description The UTF8_Short_String_Preserved class indicates a limited length, whitespace-preserved string constrained to the UTF-8 character encoding.			
Schema Base Type: string			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* 255
	No Pattern		

UTF8_String

Name: **UTF8_String**			***Version Id:*** **1.0.0.0**
Description The UTF8_String class indicates a limited length UTF8 text string with whitespaces removed.			
Schema Base Type: token			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* None
	No Pattern		

UTF8_Text_Preserved

Name: **UTF8_Text_Preserved**			***Version Id:*** **1.0.0.0**
Description The UTF8_Text_Preserved class indicates an unlimited length, whitespace-preserved text string constrained to the UTF-8 character encoding.			
Schema Base Type: string			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* 1	*Maximum Characters:* None

Name: **UTF8_Text_Preserved**			***Version Id:*** **1.0.0.0**
	No Pattern		

UnsignedBitString

Name: **UnsignedBitString**			***Version Id:*** **1.0.0.0**
Description Unsigned Bit String			
Schema Base Type: None			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	No Pattern		

UnsignedByte

Name: **UnsignedByte**			***Version Id:*** **1.0.0.0**
Description Unsigned 8-bit byte			
Schema Base Type: None			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	No Pattern		

UnsignedLSB2

Name: **UnsignedLSB2**			***Version Id:*** **1.0.0.0**
Description Unsigned 2's-complement LSB 2-byte integer			
Schema Base Type: None			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	No Pattern		

UnsignedLSB4

Name: **UnsignedLSB4**			***Version Id:*** **1.0.0.0**
Description Unsigned 2's-complement LSB 4-byte integer			
Schema Base Type: None			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	No Pattern		

UnsignedLSB8

Name: **UnsignedLSB8**	***Version Id:*** **1.0.0.0**
Description Unsigned 2's-complement LSB 8-byte integer	

Name: **UnsignedLSB8**			***Version Id:*** **1.0.0.0**
Schema Base Type: None			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	No Pattern		

UnsignedMSB2

Name: **UnsignedMSB2**			***Version Id:*** **1.0.0.0**
Description Unsigned 2's-complement MSB 2-byte integer			
Schema Base Type: None			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	No Pattern		

UnsignedMSB4

Name: **UnsignedMSB4**			***Version Id:*** **1.0.0.0**
Description Unsigned 2's-complement MSB 4-byte integer			
Schema Base Type: None			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	No Pattern		

UnsignedMSB8

Name: **UnsignedMSB8**			***Version Id:*** **1.0.0.0**
Description Unsigned 2's-complement MSB 8-byte integer			
Schema Base Type: None			
Minimum Value: None	*Maximum Value:* None	*Minimum Characters:* None	*Maximum Characters:* None
	No Pattern		

Chapter 13. Units of Measure in the common (pds) namespace.

These classes define the PDS4 units of measure.

Unit_Of_Measure

Name: **Unit_Of_Measure**		***Version Id:*** **1.0.0.0**
Description: The Unit_Of_Measure is a definite magnitude of a quantity.		
	Unit Id	
	None	

Units_of_Acceleration

Name: **Units_of_Acceleration**		***Version Id:*** **1.0.0.0**
Description: Units_of_Acceleration is a magnitude of acceleration.		
	Unit Id	
	cm/s**2	The abbreviated unit for Units_of_Acceleration is cm/s**2
	km/s**2	The abbreviated unit for Units_of_Acceleration is km/s**2
	m/s**2	The abbreviated unit for Units_of_Acceleration is m/s**2

Units_of_Amount_Of_Substance

Name: **Units_of_Amount_Of_Substance**		***Version Id:*** **1.0.0.0**
Description: Units_of_Amount_Of_Substance is a magnitude of mass.		
	Unit Id	
	mol	The abbreviated unit for Units_of_Amount_Of_Substance is mol

Units_of_Angle

Name: **Units_of_Angle**		***Version Id:*** **1.0.0.0**
Description: Units_of_Angle is a magnitude of angle.		
	Unit Id	
	arcmin	The abbreviated unit for Units_of_Angle is arcmin
	arcsec	The abbreviated unit for Units_of_Angle is arcsec
	deg	The abbreviated unit for Units_of_Angle is deg
	hr	The abbreviated unit for Units_of_Angle is hr
	mrad	The abbreviated unit for Units_of_Angle is mrad

Name: **Units_of_Angle**			***Version Id:*** **1.0.0.0**
	rad	The abbreviated unit for Units_of_Angle is rad	

Units_of_Angular_Velocity

Name: **Units_of_Angular_Velocity**		***Version Id:*** **1.0.0.0**
Description: Units_of_Angular_Velocity is a magnitude of speed of rotation.		
	Unit Id	
	deg/day	The abbreviated unit for Units_of_Angular_Velocity is deg/day
	deg/s	The abbreviated unit for Units_of_Angular_Velocity is deg/s
	rad/s	The abbreviated unit for Units_of_Angular_Velocity is rad/s

Units_of_Area

Name: **Units_of_Area**		***Version Id:*** **1.0.0.0**
Description: Units_of_Area is a magnitude of area.		
	Unit Id	
	m**2	The abbreviated unit for Units_of_Area is m**2

Units_of_Current

Name: **Units_of_Current**		***Version Id:*** **1.0.0.0**
Description: Units_of_Current is a magnitude of current.		
	Unit Id	
	A	The abbreviated unit for Units_of_Current is A
	mA	The abbreviated unit for Units_of_Current is mA

Units_of_Frame_Rate

Name: **Units_of_Frame_Rate**		***Version Id:*** **1.0.0.0**
Description: Units_of_Frame_Rate is a magnitude of change.		
	Unit Id	
	frames/s	The abbreviated unit for Units_of_Frame_Rate is frames/s

Units_of_Frequency

Name: **Units_of_Frequency**		***Version Id:*** **1.0.0.0**
Description: Units_of_Frequency is a magnitude of frequency.		
	Unit Id	
	Hz	The abbreviated unit for Units_of_Frequency is Hz

Units_of_Length

Name: **Units_of_Length**		***Version Id:*** **1.0.0.0**
Description: Units_of_Length is a magnitude of length.		
	Unit Id	
	AU	The abbreviated unit for Units_of_Length is AU (astronomical unit)
	Angstrom	The abbreviated unit for Units_of_Length is Angstrom
	cm	The abbreviated unit for Units_of_Length is cm
	km	The abbreviated unit for Units_of_Length is km
	m	The abbreviated unit for Units_of_Length is m
	micrometer	The abbreviated unit for Units_of_Length is micrometer (10-6 m)
	mm	The abbreviated unit for Units_of_Length is mm (10-3 m)
	nm	The abbreviated unit for Units_of_Length is nm (10-9 m)

Units_of_Map_Scale

Name: **Units_of_Map_Scale**		***Version Id:*** **1.0.0.0**
Description: Units_of_Map_Scale is a proportional representation.		
	Unit Id	
	km/pixel	The abbreviated unit for Units_of_Map_Scale is km/pixel
	m/pixel	The abbreviated unit for Units_of_Map_Scale is m/pixel
	mm/pixel	The abbreviated unit for Units_of_Map_Scale is mm/pixel
	pixel/deg	The abbreviated unit for Units_of_Map_Scale is pixel/deg

Units_of_Mass

Name: **Units_of_Mass**		***Version Id:*** **1.0.0.0**
Description: Units_of_Mass is a magnitude of mass.		
	Unit Id	
	g	The abbreviated unit for Units_of_Mass is g
	kg	The abbreviated unit for Units_of_Mass is kg

Units_of_Misc

Name: **Units_of_Misc**	***Version Id:*** **1.0.0.0**
Description: Units_of_Misc provides an assortment of derived units.	

Name: **Units_of_Misc**		*Version Id:* **1.0.0.0**
	Unit Id	
	DN	The abbreviated unit for Units_of_Misc is DN
	electron/DN	The abbreviated unit for Units_of_Misc is electron/DN
	pixel	The abbreviated unit for Units_of_Misc is pixel

Units_of_None

Name: **Units_of_None**		*Version Id:* **1.0.0.0**
Description: Units_of_None indicates that no unit of measure applies.		
	Unit Id	
	none	Dimensionless quantities have no abbreviated unit

Units_of_Optical_Path_Length

Name: **Units_of_Optical_Path_Length**		*Version Id:* **1.0.0.0**
Description: Units_of_Optical_Path_Length is a magnitude of optical path length.		
	Unit Id	
	airmass	The abbreviated unit for Units_of_Optical_Path_Length is airmass

Units_of_Pressure

Name: **Units_of_Pressure**		*Version Id:* **1.0.0.0**
Description: Units_of_Pressure is a magnitude of pressure.		
	Unit Id	
	Pa	The abbreviated unit for Units_of_Pressure is Pa
	bar	The abbreviated unit for Units_of_Pressure is bar (10**5 Pa)
	hPa	The abbreviated unit for Units_of_Pressure is hPa (100 Pa)
	mbar	The abbreviated unit for Units_of_Pressure is mbar (100 Pa)

Units_of_Radiance

Name: **Units_of_Radiance**		*Version Id:* **1.0.0.0**
Description: Units_of_Radiance is a magnitude of radiance.		
	Unit Id	
	W*m**-2*sr**-1	The abbreviated unit of Units_of_Radiance is W*m**-2*sr**-1
	W/(m**2*sr)	The abbreviated unit of Units_of_Radiance is W/(m**2*sr)

Units_of_Rates

Name: **Units_of_Rates**		***Version Id:*** **1.0.0.0**
Description: Units_of_Rate is a magnitude of change.		
	Unit Id	
	counts/bin	The abbreviated unit for Units_of_Rates is counts/bin
	kilobits/s	The abbreviated unit for Units_of_Rates is kilobits/s

Units_of_Solid_Angle

Name: **Units_of_Solid_Angle**		***Version Id:*** **1.0.0.0**
Description: Units_of_Solid_Angle is a magnitude of a solid angle.		
	Unit Id	
	sr	The abbreviated unit for Units_of_Solid_Angle is sr

Units_of_Spectral_Irradiance

Name: **Units_of_Spectral_Irradiance**		***Version Id:*** **1.0.0.0**
Description: A measure of the power of radiation at a particular frequency or wavelength that passes through a unit area.		
	Unit Id	
	SFU	The abbreviated unit for Units_of_Spectral_Irradiance is SFU
	W*m**-2*Hz**-1	The abbreviated unit for Units_of_Spectral_Irradiance is W*m**-2*Hz**-1
	W*m**-2*nm**-1	The abbreviated unit for Units_of_Spectral_Irradiance is W*m**-2*nm**-1
	W*m**-3	The abbreviated unit for Units_of_Spectral_Irradiance is W*m**-3
	W/m**2/Hz	The abbreviated unit of Units_of_Spectral_Irradiance is W/m**2/Hz
	W/m**2/nm	The abbreviated unit of Units_of_Spectral_Irradiance is W/m**2/nm
	W/m**3	The abbreviated unit of Units_of_Spectral_Irradiance is W/m**3
	uW*cm**-2*um**-1	The abbreviated unit for Units_of_Spectral_Irradiance is uW*cm**-2*um**-1
	µW/cm**2/µm	The abbreviated unit for Units_of_Spectral_Radiance is µW/cm**2/µm

Units_of_Spectral_Radiance

Name: **Units_of_Spectral_Radiance**		*Version Id:* **1.0.0.0**
Description: A measure of the power of radiation at a particular frequency or wavelength that passes through a unit area and a unit solid angle in a specified direction.		
	Unit Id	
	W*m**-2*sr**-1*Hz**-1	The abbreviated unit for Units_of_Spectral_Radiance is W*m**-2*sr**-1*Hz**-1
	W*m**-2*sr**-1*nm**-1	The abbreviated unit for Units_of_Spectral_Radiance is W*m**-2*sr**-1*nm**-1
	W*m**-2*sr**-1*um**-1	The abbreviated unit for Units_of_Spectral_Radiance is W*m**-2*sr**-1*um**-1
	W*m**-3*sr**-1	The abbreviated unit for Units_of_Spectral_Radiance is W*m**-3*sr**-1
	W/m**2/sr/Hz	The abbreviated unit of Units_of_Spectral_Radiance is W/m**2/sr/Hz
	W/m**2/sr/nm	The abbreviated unit of Units_of_Spectral_Radiance is W/m**2/sr/nm
	W/m**2/sr/µm	The abbreviated unit for Units_of_Spectral_Radiance is W/m**2/sr/µm
	W/m**3/sr	The abbreviated unit of Units_of_Spectral_Radiance is W/m**3/sr
	uW*cm**-2*sr**-1*um**-1	The abbreviated unit for Units_of_Spectral_Radiance is uW*cm**-2*sr**-1*um**-1
	µW/cm**2/sr/µm	The abbreviated unit for Units_of_Spectral_Radiance is µW/cm**2/sr/µm

Units_of_Storage

Name: **Units_of_Storage**		*Version Id:* **1.0.0.0**
Description: Units_of_Storage is an amount of computer storage.		
	Unit Id	
	byte	The abbreviated unit of Units_of_Storage is byte

Units_of_Temperature

Name: **Units_of_Temperature**		*Version Id:* **1.0.0.0**
Description: Units_of_Temperature is a magnitude of temperature.		
	Unit Id	
	K	The abbreviated unit of Units_of_Temperature is K

Name: **Units_of_Temperature**			***Version Id:*** **1.0.0.0**
	degC	The abbreviated unit of Units_of_Temperature is degC	

Units_of_Time

Name: **Units_of_Time**		***Version Id:*** **1.0.0.0**
Description: Units_of_Time is a magnitude of time.		
	Unit Id	
	day	The abbreviated unit for Units_of_Time is day
	hr	The abbreviated unit for Units_of_Time is hr
	julian day	The abbreviated unit for Units_of_Time is julian day
	microseconds	The abbreviated unit for Units_of_Time is microseconds
	min	The abbreviated unit for Units_of_Time is min
	ms	The abbreviated unit for Units_of_Time is ms
	s	The abbreviated unit for Units_of_Time is s
	yr	The abbreviated unit for Units_of_Time is yr

Units_of_Velocity

Name: **Units_of_Velocity**		***Version Id:*** **1.0.0.0**
Description: Units_of_Velocity is a magnitude of velocity.		
	Unit Id	
	cm/s	The abbreviated unit for Units_of_Velocity is cm/s
	km/s	The abbreviated unit for Units_of_Velocity is km/s
	m/s	The abbreviated unit for Units_of_Velocity is m/s

Units_of_Voltage

Name: **Units_of_Voltage**		***Version Id:*** **1.0.0.0**
Description: Units_of_Voltage is a magnitude of voltage.		
	Unit Id	
	V	The abbreviated unit for Units_of_Voltage is V
	mV	The abbreviated unit for Units_of_Voltage is mV

Units_of_Volume

Name: **Units_of_Volume**	***Version Id:*** **1.0.0.0**
Description: Units_of_Volume is a magnitude of volume.	

Name: **Units_of_Volume**		*Version Id:* **1.0.0.0**
	Unit Id	
	L	The abbreviated unit for Units_of_Volume is L
	m**3	The abbreviated unit for Units_of_Volume is m**3

Units_of_Wavenumber

Name: **Units_of_Wavenumber**		*Version Id:* **1.0.0.0**
Description: Units_of_Wavenumber is the number of waves that occur per unit distance, i.e., inverse length		
	Unit Id	
	1/cm	The abbreviated unit of Units_of_Wavenumber is 1/cm
	1/m	The abbreviated unit of Units_of_Wavenumber is 1/m
	1/nm	The abbreviated unit of Units_of_Wavenumber is 1/nm
	cm**-1	The abbreviated unit for Units_of_Wavenumber is cm**-1
	m**-1	The abbreviated unit for Units_of_Wavenumber is m**-1
	nm**-1	The abbreviated unit for Units_of_Wavenumber is nm**-1